* Exsitem 2 tipos de chains como já tinha referido sendo a primeira- chamada de Angiotensin-converting enzyme 2 e a segunda de Processed Angiotensin-converting enzyme 2, a primeira chain tem como funções moleculares:
* [transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:transporter%20activity&rt=polymer_entity)
* [organic acid transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:organic%20acid%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [anion transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:anion%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [ion transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:ion%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [amino acid transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:amino%20acid%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [inorganic molecular entity transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:inorganic%20molecular%20entity%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:transmembrane%20transporter%20activity&rt=polymer_entity)
* [carboxylic acid transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:carboxylic%20acid%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [neutral amino acid transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:neutral%20amino%20acid%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [secondary active transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:secondary%20active%20transmembrane%20transporter%20activity&rt=polymer_entity)
* [symporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:symporter%20activity&rt=polymer_entity)
* [active transmembrane transporter activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:active%20transmembrane%20transporter%20activity&rt=polymer_entity)
* A segunda chain tem como funções moleculares:
* [catalytic activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:catalytic%20activity&rt=polymer_entity)
* [carboxypeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:carboxypeptidase%20activity&rt=polymer_entity)
* [peptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:peptidase%20activity&rt=polymer_entity)
* [exopeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:exopeptidase%20activity&rt=polymer_entity)
* [hydrolase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:hydrolase%20activity&rt=polymer_entity)
* [catalytic activity, acting on a protein](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:catalytic%20activity,%20acting%20on%20a%20protein&rt=polymer_entity)
* [endopeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:endopeptidase%20activity&rt=polymer_entity)
* [metallocarboxypeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:metallocarboxypeptidase%20activity&rt=polymer_entity)
* [metalloexopeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:metalloexopeptidase%20activity&rt=polymer_entity)
* [metallopeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:metallopeptidase%20activity&rt=polymer_entity)
* [peptidyl-dipeptidase activity](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:peptidyl-dipeptidase%20activity&rt=polymer_entity)
* [binding](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:binding&rt=polymer_entity)
* [zinc ion binding](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:zinc%20ion%20binding&rt=polymer_entity)
* [ion binding](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:ion%20binding&rt=polymer_entity)
* [cation binding](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:cation%20binding&rt=polymer_entity)
* [metal ion binding](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:metal%20ion%20binding&rt=polymer_entity)
* [transition metal ion binding](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:transition%20metal%20ion%20binding&rt=polymer_entity)
* The second chain was Biological Process, the first one doesn’t have it, the Biological process are:
* [metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:metabolic%20process)
* [positive regulation of metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:positive%20regulation%20of%20metabolic%20process)
* [cellular process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:cellular%20process)
* [regulation of metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:regulation%20of%20metabolic%20process)
* [regulation of cellular metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:regulation%20of%20cellular%20metabolic%20process)
* [positive regulation of cellular metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:positive%20regulation%20of%20cellular%20metabolic%20process)
* [cellular metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:cellular%20metabolic%20process)
* [positive regulation of biological process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:positive%20regulation%20of%20biological%20process)
* [positive regulation of cellular process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:positive%20regulation%20of%20cellular%20process)
* [regulation of biological process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:regulation%20of%20biological%20process)
* [regulation of cellular process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:regulation%20of%20cellular%20process)
* [biological regulation](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:biological%20regulation)
* [reactive oxygen species metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:reactive%20oxygen%20species%20metabolic%20process)
* [regulation of reactive oxygen species metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:regulation%20of%20reactive%20oxygen%20species%20metabolic%20process)
* [positive regulation of reactive oxygen species metabolic process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:positive%20regulation%20of%20reactive%20oxygen%20species%20metabolic%20process)
* [viral process](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:viral%20process)
* [viral life cycle](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:viral%20life%20cycle)
* [virion attachment to host cell](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:virion%20attachment%20to%20host%20cell)
* [biological adhesion](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:biological%20adhesion)
* [biological process involved in symbiotic interaction](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:biological%20process%20involved%20in%20symbiotic%20interaction)
* [adhesion of symbiont to host](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:adhesion%20of%20symbiont%20to%20host)
* [biological process involved in interspecies interaction between organisms](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:biological%20process%20involved%20in%20interspecies%20interaction%20between%20organisms)
* [adhesion of symbiont to host cell](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:adhesion%20of%20symbiont%20to%20host%20cell)
* [receptor-mediated virion attachment to host cell](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:receptor-mediated%20virion%20attachment%20to%20host%20cell)
* [cell population proliferation](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:cell%20population%20proliferation)
* [regulation of cell population proliferation](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:regulation%20of%20cell%20population%20proliferation)
* [entry into host](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:entry%20into%20host)
* [viral entry into host cell](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:viral%20entry%20into%20host%20cell)
* [biological process involved in interaction with host](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:biological%20process%20involved%20in%20interaction%20with%20host)
* [movement in host environment](https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_lineage.name:movement%20in%20host%20environment)