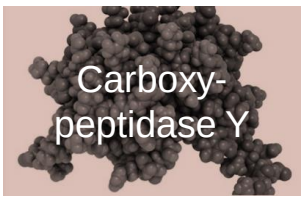
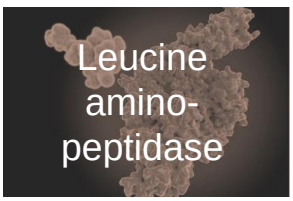
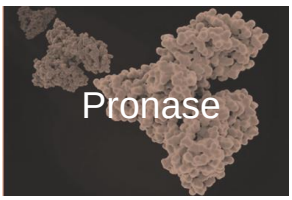
PRODUCTS FOR DOWNSTREAM PURIFICATION OF BIOMOLECULES

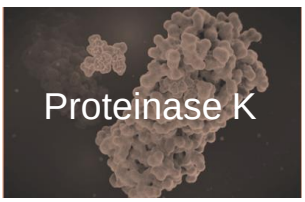
PROTEASES

- Efficient digestion of contaminant proteins in downstream purification processes
- Easy to separate after purification is completed
- No self-digestion
- Stable









Available as kit or as individual enzymes

PIPELINE PRODUCTS

Nucleases

- Efficient digestion of nucleic acids in downstream purification processes
- Stable
- Easy to separate after purification is completed
- Suitable for continuous or semicontinuous processes

ON DEMAND DEVELOPMENT

- Further proteolytic enzymes and nucleases

Let us know which enzyme you want to evaluate

Hofackerstrasse 40b, 4132 Muttenz, Switzerland
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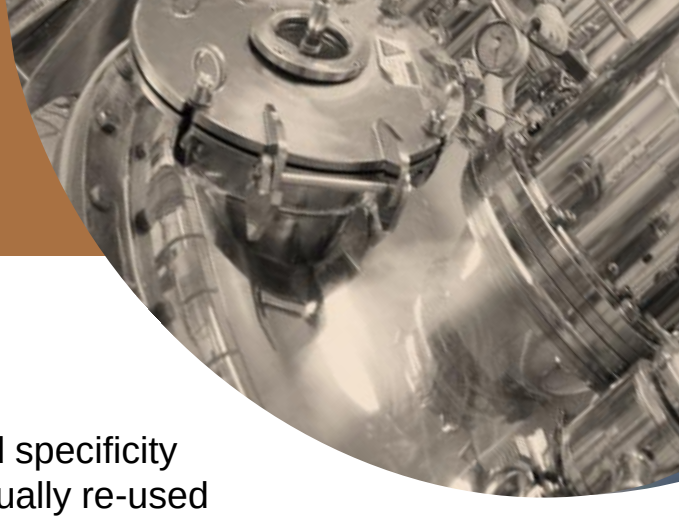
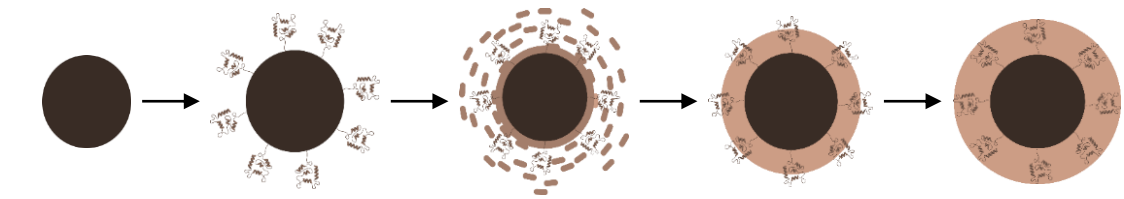
TAILOR-MADE ENZYME SOLUTIONS FOR DOWNSTREAM PURIFICATION



THE BENEFITS

- ✓ The enzymes maintain high activity and specificity
- ✓ They can easily be collected and eventually re-used
- ✓ Improvement of the product-purification steps
- ✓ Possibility to implement a flow-through reactor system
- ✓ No enzyme leaching
- ✓ Improved affinity to substrates
- ✓ Enzyme stabilization
- ✓ Tuneable properties (substrate selectivity, porosity, hydrophobicity)



Carrier Selection	Porous or non-porous silica particles, magnetic beads, methacrylate resins
Surface Modification	Chemical functionalities cross-linked onto the surface of carriers to improve diffusion of substrates and products
Enzyme Binding	Covalent and unspecific (e.g., through cross-linkers); oriented immobilization through tags (e.g., His-tag)
Shielding Composition	Shield forms a microenvironment around the enzyme; it prevents unspecific binding on the surface of the carrier
Shield Thickness	Partial shielding is applied for large substrates; enzyme leaching prevention

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