

Name: 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase

Function: "Catalyses the irreversible cleavage of the glycosidic bonds in both 5'-methylthioadenosine (MTA) and S-adenosylhomocysteine (SAH/AdoHcy) to adenine and the corresponding thioribose, 5'-methylthioribose and S-ribosylhomocysteine, respectively."

Information is from Uniprot.

This protein is already described in others organisms and the scientists see it as a good drug target.

Gene Ontology:

Molecular function: adenosylhomocysteine nucleosidase activity; methylthioadenosine nucleosidase activity; metal ion binding.

Biological Process: L-methionine biosynthetic process from methylthioadenosine; nucleoside catabolic process.

Source: This protein doesn't have a Swissprot number on NCBI page, so we did the BLAST and obtained an e-value of 0.0 and a Swissprot number: P96122.

We compared the information in CDD about the domain of protein and in Uniprot database, where the protein has an annotation score 2 of 5. All the information matched so we added the Swissprot number to the annotation.