

Recombinant Homo sapiens Neprilysin

Catalog No: #AP72671



Package Size: #AP72671-1 20ug #AP72671-2 100ug #AP72671-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Homo sapiens Neprilysin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:52-750aaSequence Info:Extracellular Domain
Other Names	AtriopeptidaseCommon acute lymphocytic leukemia antigen ;CALLAEnkephalinaseNeutral endopeptidase 24.11 ;NEP ;Neutral endopeptidase;Skin fibroblast elastase ;SFE; CD10
Accession No.	P08473
Uniprot	P08473
GeneID	4311;
Calculated MW	81.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	YDDGICKSSDCIKSAARLIQNMDATTEPCTDFFKYACGGWLKRNVIPETSSRYGNFDILRDELEVVLKDVLPQEP KTEDIVAVQKAKALYRSCINESAIDSRGGPELLKLPDIYGWPVATENWEQKYGASWTAEKAIQNLNSKYGKKV LINLFGTDDKNSVNHVIHIDQPRLGLPSRDYECTGIYKEACTAYVDFMISVARLIRQEERLPIDENQLALEMN KVMELEKEIANATAKPEDRNDPMLLYNKMTLAQIQNNFSLEINGKPFWSWLNFTNEIMSTVNISITNEEDVVVYAP EYLTKLPILTKEYSARDLQNLMSWRFIMDLVSSLSRTYKESRNAFRKALYGTSETATWRRRCANYVNGNMENA VGRLYVEAAFAGESKHVVEDLIAQIREVFIQTLDDL TWMDAETKKRAEEKALAIKERIGYPDDIVSNDNKLNNEY LELNYKEDEYFENIIQNLKFSQSKQLKLEKVDKDEWISGAAVVNAFYSSGRNQIVFPAGILQPPFFSAQQSN SLNYGGIGMVIGHEITHGFDDNGRNFNKDGDLDVWWTQQSASNFKEQSQCMVYQYGNFSWDLAGGQHLNG INTLGENIADNGLGQAYRAYQNYIKNGEEKLLPGLDLNHNKQLFFLNFAQVWCGTYRPEYAVNSIKTDVHSP GNFRIIGTLQNSAEFSEAFHCRKNSYMNPEKKCRVW
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids . Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond . Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 . Involved in the degradation of atrial natriuretic factor (ANF) . Displays UV-inducible elastase activity toward skin preelastic and elastic fibers .

References

Common acute lymphocytic leukemia antigen is identical to neutral endopeptidase.Letarte M., Vera S., Tran R., Addis J.B.L., Onizuka R.J.,

Note: This product is for in vitro research use only