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Product datasheet for TP503342

Pcsk1n (NM_013892) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse proprotein convertase subtilisin/kexin type 1 inhibitor (Pcsk1n), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203342 protein sequence Red=Cloning site Green=Tags(s) MAGSPLLCGPRAGGVGILVLLLLGLLRLPPTLSARPVKEPRSLSAASAPLVETSTPLRLRRAVPRGEAAG AVQELARALAHLLEAERQERARAEAQEAEDQQARVLAQLLRAWGSPRASDPPLAPDDDPDAPAAQLARA L LRARLDPAALAAQLVPAPAAAPRPRPPVYDDGPTGPDVEDAGDETPDVDPELLRYLLGRILTGSSEPEAA PAPRRLRRSVDQDLGPEVPPENVLGALLRVKRLENPSPQAPARRLLPP SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	27.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_038920
Locus ID:	30052
UniProt ID:	Q9QXV0

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RefSeq Size:	2208
Cytogenetics:	X A1.1
RefSeq ORF:	774
Synonyms:	AI848336; bLEN; KEP; lLEN; Pan3; PEN; PEN19; PEN20; proSAAS; SAAS; SAASCT
Summary:	May function in the control of the neuroendocrine secretory pathway. Proposed be a specific endogenous inhibitor of PCSK1. ProSAAS and Big PEN-LEN, both containing the C-terminal inhibitory domain, but not the processed peptides reduce PCSK1 activity in the endoplasmic reticulum and Golgi. It reduces the activity of the 87 kDa form but not the autocatalytically derived 66 kDa form of PCSK1. Subsequent processing of proSAAS may eliminate the inhibition. Slows down convertase-mediated processing of proopiomelanocortin and proenkephalin. May control the intracellular timing of PCSK1 rather than its total level of activity. The function of the processed secreted peptides is not known.[UniProtKB/Swiss-Prot Function]