Recombinant Mouse Adam10, His-tagged

Cat. No. Adam10-1927M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Adam10 (Thr215-Glu673), fused with a C terminal 10 His tag, was expressed in Sf 21 Cells.
Species	Mouse
Source	Sf21 Cells
ProteinLength	215-673 a.a.
Description	Members of the ADAM family are cell surface proteins with a unique structure possessing both potential adhesion and protease domains. Sheddase, a generic name for the ADAM metallopeptidase, functions primarily to cleave membrane proteins at the cellular surface. Once cleaved, the sheddases release soluble ectodomains with an altered loca-tion and function.
Molecular Mass	The predicted molecular mass of this protein is 52 KDa. It migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.
Purity	>90%, by SDSPAGE
Bio-Activity	Measured by its ability to cleave a fluorogenic peptide substrate McaPLAQAVDpaRSSSR-NH2. The specific activity is >5 pmol/min/μg
Form	Lyophilized from a 0.2 μm filtered solution in MES, NaCl, CaCl2, ZnCl2, and Brij35.

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EndotoxinLevel	<1.0 EU per 1 μg of the protein by the LAL method.
Reconstitution	Reconstitute at 100 μg/mL in sterile 25 mM Tris, pH 7.5.
Storage	Store at -200C ~ -700C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	Adam10

GENE INFORMATION

Gene Name	Adam10 a disintegrin and metallopeptidase domain 10 [Mus musculus]
Synonyms	Adam10; a disintegrin and metallopeptidase domain 10; kuz; MADM; kuzbanian; 1700031C13Rik; Adam10
Gene ID	11487
mRNA Refseq	NM_007399
Protein Refseq	NP_031425
UniProt ID	O35598
Chromosome Location	9 D; 9 41.0 cM
Pathway	Alzheimer"s disease
Function	SH2 domain binding; SH3 domain binding; integrin binding; metal ion binding; metalloendopeptidase activity; peptidase activity; protein homodimerization activity; protein kinase binding; zinc ion binding; metalloendopeptidase activity

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Available structures

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