

Recombinant Mouse ADAM17 Protein, His-tagged

Cat. No. ADAM17-085M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ADAM17 protein with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	827
Description	This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. The encoded preproprotein undergoes proteolytic processing to generate a mature enzyme that is involved in the proteolytic release of membrane-bound proteins in a process called ectodomain shedding. Mice lacking the encoded protein die in utero or fail to survive beyond one week of age. Alternative splicing results in multiple transcript variants encoding different isoforms, some of which may undergo similar processing.
Form	Lyophilized
Molecular Mass	63.4 kDa
AA Sequence	MRRRLILTTLVPFVLAPRPPEEAGSGSHPRLEKLDLSLDYDILSLANIQQHSIRKRD LQSATHLETLLTFSALKRHFKLYLTSSTERFSQNLRVVVVDGKEESEYSVKWQNFFS GHVVGEPDSRVLAHIGDDDDVTVRINTDGAEYNVEPLWRFVNDTKDKRMLVYKSEDI KDFSRLQSPKVCGYLNADSEELLPKGLIDREPSEEFVRRVKRRAEPNPLKNTCKLLV

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VADHRFYKYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNAGFKGYGVQIEQIRILKS
PQEVKPGERHFNMAKSFPNEEKDAWDVKMLLEQFSFDIAEEASKVCLAHLFTYQDF
DMGTLGLAYVGSPRANSHGGVCPKAYYNPTVKKNIYLN SGLTSTKNYGKTILTKEAD
LVTTHLGHNFGEHDPDGLAEAPNEDQGGKYVMYPIAVSGDHENNMFSNCSK
QSIYKTIESKAQECFQERSNKVCGNSRVDEGEEDPGIMYLNNDTCCNSDCTLKPG
VQCSDRNSPCCCKNCQFETAQKKCQEAINATCKGVSYCTGNSSECPPPGDAEDDTV
CLDLGKCKAGKCIPFCKREQELESCACVDTDNSCKVCCRNLSGPCVPYVDAEQKNL
FLRKGPCTVGFCDMNGKCEKRVQDVIERFWDFIDQLSINTFGKFLADNIVGSVLVF
SLIFWIPFSILVHCVDKKLDKQYESLSLFHHSNIEMLSMDSASVRIIKPFPAPQTPGR
LQALQPAAMMPPVPAAPKLDHQRM DTIQEDPSTDSHADDDGFEKDPFPNSSTA AK
SFEDLTDHPVTRSEKAASF KLQRQSRVDSKETEC

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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GENE INFORMATION

Gene Name	Adam17 a disintegrin and metallopeptidase domain 17 [Mus musculus (house mouse)]
Official Symbol	ADAM17
Synonyms	ADAM17; a disintegrin and metallopeptidase domain 17; disintegrin and metalloproteinase domain-containing protein 17; ADAM 17; TNF-alpha convertase; TNF-alpha converting enzyme; TNF-alpha-converting enzyme; a disintegrin and metalloproteinase domain 17; a disintegrin and metalloprotease domain 17; Tace; CD156b;
Gene ID	11491
mRNA Refseq	NM_009615
Protein Refseq	NP_033745
UniProt ID	Q9Z0F8

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