

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	MRRRLILTTLVPFVLAPRPPEEAGSGSHPRLEKLDLSLSDYDILSLANIQQHSIRKRD LQSATHLETLLTFSALKRHFKLYLTSSTERFSQNLRVVVVDGKEESEYSVKWQNFFS GHVVGEPDSRVLAHIGDDDVTVRINTDGAEYNVEPLWRFVNDTKDKRMLVYKSEDI KDFSRLQSPKVCGYLNADSEELLPKGLIDREPSEEFVRRVKRRAEPNPLKNTCKLLV

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VADHRFYKYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNAGFKGYGVQIEQIRILKS
PQEVKPGERHFNMAKSPNEEKDAWDVKMLLEQFSFDIAEEASKVCLAHLFTYQDF
DMGTLGLAYVGS PRANSHGGVCPKAYYNPTVKKNIYLN SGLTSTKNYGKTILTKEAD
LVTTHELGHNF GA EHDPDGLAECAPNEDQGGKYVMYPIAVSGDHENNKMF SNCSK
QSIYKTIESKAQECFQERSNKVCGNSRVDEGEECDPGIMYLNNDTCCNSDCTLKPG
VQCSDRNSPCCCKNCQFETAQKKCQEAINATCKGVS YCTGNSSECP PP GDAEDDTV
CLDLGKCKAGK CIPFCKREQELESCACVDTDNSCKVCCRNLSGPCVPYVDAEQKNL
FLRKGK PCTVGFCDMNGKCEKRVQDVIERFWDFIDQLSINTFGKFLADNIVGSVLVF
SLIFWIPFSILVHCVDK KLDKQYESLSL FHHSNIEMLSMDSASVRIIKPFPAPQTPGR
LQALQPAAMMPPVPAAPKLDHQ RMDTIQEDPSTDSHADDDGF EKDPFPNSSTAAK
SFEDLTDHPVTRSEKAASF KLRQSRVDSKETEC

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 H₂O 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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