

Recombinant Rat ADAM17 Protein, His-tagged

Cat. No. ADAM17-073R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ADAM17 protein with His tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	827
Description	Predicted to enable PDZ domain binding activity; metalloendopeptidase activity involved in amyloid precursor protein catabolic process; and signaling receptor binding activity. Involved in several processes, including regulation of apoptotic process; regulation of signal transduction; and response to antineoplastic agent. Located in several cellular components, including apical part of cell; cell surface; and cytoplasmic vesicle. Biomarker of Alzheimer's disease; congestive heart failure; and thoracic aortic aneurysm. Human ortholog(s) of this gene implicated in Alzheimer's disease; inflammatory bowel disease; and type 2 diabetes mellitus. Orthologous to human ADAM17 (ADAM metallopeptidase domain 17).
Form	Lyophilized
Molecular Mass	63.4 kDa
AA Sequence	MRQRLLFLTTLVPFVLAPRPPEEPGSGSHLRLEKLDLSLLSDYDILSLSNIQQHSIRKR DLQSATHLETLLTFSALKRHFCLYLTSSSTERFSQNLRVVVVDGKEESEYSVKWQDFF SGHVVGEPDSRVLAHIGDDDDTVRINTDGAEYNIPLWRFVNDTKDKRMLVYKSEDI

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KDFSRLQSPKVCGYLNADSEELLPKGLIDREPSEEFVRRVKRRAEPNPLKNTCKLLV
 VADHRFYKYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNAGFKGYGVQIEQIRILKS
 PQEVKPGERHFNMAKSFPNEEKDAWDVKMLLEQFSLDIAEEASKVCLAHLFTYQDF
 DMGTLGLAYVGSPRANSHGGVCPKAYYNPGVKKNIYLNGLTSTKNYGKTILTKEAD
 LVTTHLGHNFGEAHDPDGLAEAPNEDQGGKYVMYPIAVSGDHENNMFSNCSK
 QSIYKTIESKAQECFQERSNKVCGNSRVDEGEEDPGIMYLNNDTCCNSDCTLKPG
 VQCSDRNSPCKKNCQFETAQKKCQEAINATCKGVSYCTGNSSECPPPGDAEDDTV
 CLDLGKCKAGKCIPFCKREQELESCACADTDNSCKVCCRNLSGPCVPYVDAEQKNL
 FLRKGPCTVGFCDMNGKCEKRVQDVIERFWDFIDQLSINTFGKFLADNIVGSVLVF
 SLIFWIPFSILVHCVDKKLDKQYESLSLFHHSNIEMLSMDSASVRIIKPFPAPQTPGR
 LQALQPAAMMPVSAAPKLDHQRMDTIQEDPSTDHVDGFEKDPFPNSSAAAK
 SFEDLTDHPVTRSEKAASFQKLRQSRVDSKETEC

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

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performance.

GENE INFORMATION

Gene Name [Adam17 ADAM metallopeptidase domain 17 \[Rattus norvegicus \]](#)

Official Symbol [ADAM17](#)

Synonyms ADAM17; ADAM 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 metalloprotease domain 17; a disintegrin and metallopeptidase domain 17; a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme); TACE;

Gene ID [57027](#)

mRNA Refseq [NM_020306](#)

Protein Refseq [NP_064702](#)

UniProt ID [Q9Z1K9](#)

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