

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 DLQSATHLETLLTFSALKRHFKLYLTSSTERFSQNLRVVVVDGKEESEYSVKWQDFF SGHVVGEPDSRVLAHIGDDDDTVRINTDGAEYNIEPLWRFVNDTKDKRMLVYKSEDI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KDFSRLQSPKVCGYLNADSEELLPKGLIDREPSEEFVRRVKRRAEPNPLKNTCKLLV
VADHRFYKYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNAGFKGYGVQIEQIRILKS
PQEVKPGERHFNMAKSFPNEEKDAWDVKMLLEQFSLDIAEEASKVCLAHLFTYQDF
DMGTLGLAYVGSPRANSHGGVCPKAYYNPGVKKNIYLNGLTSTKNYGKTILTKEAD
LVTTHLGHNFGEAHDGDLAECAPNEDQGGKYVMYPIAVSGDHENNMFSNCSK
QSIYKTIESKAQECFQERSNKVCGNSRVDEGEEDPGIMYLNNDTCCNSDCTLKPG
VQCSDRNSPCCCKNCQFETAQKKCQEAINATCKGVSYCTGNSSECPPPGDAEDDTV
CLDLGKCKAGKCIPFCKREQELESCACADTDNSCKVCCRNLSGPCVPYVDAEQKNL
FLRKGPCTVGFCDMNGKCEKRVQDVIERFWDFIDQLSINTFGKFLADNIVGSVLVF
SLIFWIPFSILVHCVDKKLDKQYESLSLFHHSNIEMLSMDSASVRIIKPFPAPQTPGR
LQALQPAAMMPPVSAAPKLDHQRM DTIQEDPSTD SHVDDDGFEKDPFPNSSAAAK
SFEDLTDHPVTRSEKAASF LQRQSRVDSKETEC

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.

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA