

Active Recombinant Rat Adam17 protein(Met1-Asp563), His-tagged

Cat. No. Adam17-8788R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ADAM17 (Q9Z1K9) (Met1-Asp563) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Asp563
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH ₂ . The specific activity is >250 pmol/min/μg.
Molecular Mass	The recombinant rat ADAM17 comprises 557 amino acids and predicts a molecular mass of 63 kDa. The apparent molecular mass of the recombinant protein is approximately 57 and 20 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Adam17 ADAM metalloproteinase domain 17 [*Rattus norvegicus*]

Official Symbol Adam17

Synonyms ADAM17; ADAM metalloproteinase 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 metalloproteinase 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

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