Recombinant Rat Adam17 protein, His & T7-tagged

Cat. No. Adam17-7115R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Adam17 aa. (Leu221~Ser451 (Accession# Q9Z1K9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Leu221~Ser451
Description	Expression occurs in response to oxygen glucose deprivation, may play a role in inhibition of apoptosis via induction of TNF-alpha release.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

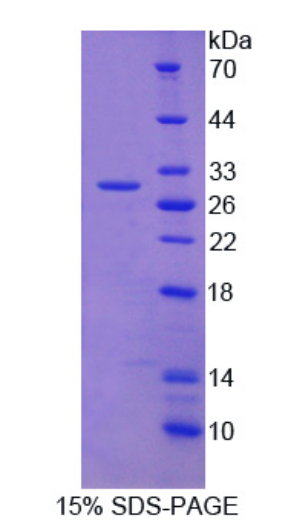
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	was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Adam17 ADAM metallopeptidase domain 17 [Rattus norvegicus (Norway rat)]
Official Symbol	Adam17
Synonyms	Adam17; ADAM metallopeptidase domain 17; TACE; disintegrin and metalloproteinase domain-containing protein 17; ADAM 17; TNF-alpha convertase; TNF-alpha-converting enzyme; a disintegrin and metallopeptidase domain 17; a disintegrin and metalloprotease domain 17; a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)
Gene ID	57027
mRNA Refseq	NM_020306.2
Protein Refseq	NP_064702.1

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UniProt ID	Q9Z1K9
SDS-PAGE	 15% SDS-PAGE

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