Recombinant Rat ADAM5, His-tagged

Cat. No. ADAM5-3003R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A Disintegrin And Metalloprotease 5 (ADAM5)
Species	Rat
Source	E.coli
ProteinLength	709
Description	germ-cell specific metalloprotease-disintegrin that may play a role in cell-cell and cell-matrix interactions during spermatogenesis .
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	28.4kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ADAM5 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	Adam5 a disintegrin and metallopeptidase domain 5 [Rattus norvegicus]
Official Symbol	Adam5
Synonyms	Adam5; disintegrin and metalloproteinase domain-containing protein 5; tMDC II; ADAM metallopeptidase domain 5; a disintegrin and metalloprotease domain 5; a disintegrin and metalloprotease domain (ADAM) 5; transmembrane metalloproteinase-like, disintegrin-like, and cysteine-rich protein II
Gene ID	498654
mRNA Refseq	NM_020303
Protein Refseq	NP_064699
UniProt ID	Q5BK84

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Chromosome Location	16q12.4
Function	metalloendopeptidase activity; zinc ion binding

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