

Recombinant Rat Adam1a protein, His & T7-tagged

Cat. No. Adam1a-1609R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Adam1a aa. (Ser463~Gly727 (Accession # P70505)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ser463~Gly727
Description	Membrane-anchored glycoprotein and metalloproteinase-like, disintegrin-like, cysteine-rich (MDC) family member that is localized on the sperm surface where it may play a role in fertilization.
Form	Freeze-dried powder
Molecular Mass	37kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h,

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and no obvious degradation and precipitation were observed. The loss rate 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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.6

GENE INFORMATION

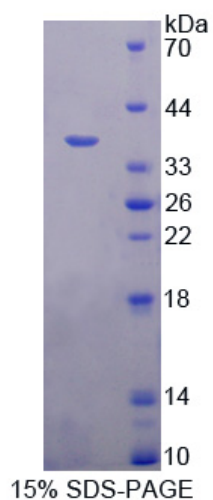
Gene Name	Adam1a ADAM metallopeptidase domain 1A [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Adam1a
Synonyms	Adam1a; ADAM metallopeptidase domain 1A; Adam1; PH-30a; disintegrin and metalloproteinase domain-containing protein 1; ADAM 1; PH-30 alpha; a disintegrin and metallopeptidase domain 1a; a disintegrin and metalloproteinase domain 1 (fertilin alpha); a disintegrin and metalloproteinase domain 1 (fertilin alpha); fertilin alpha; fertilin subunit alpha
Gene ID	56777
mRNA Refseq	NM_020078.1
Protein Refseq	NP_064463.1
UniProt ID	P70505

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SDS-PAGE



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