

Recombinant Human ADAM18, His-tagged

Cat. No. ADAM18-9371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAM18 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	338-687a.a.
Description	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene is a sperm surface protein. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	ADAM18 ADAM metallopeptidase domain 18 [Homo sapiens]
Official Symbol	ADAM18
Synonyms	ADAM18; ADAM metallopeptidase domain 18; a disintegrin and metalloproteinase domain 18; disintegrin and metalloproteinase domain-containing protein 18; putative ADAM18 gene product; ADAM27; TMDCIII; disintegrin and metalloproteinase domain-containing protein 18; ADAM 18; TMDC III; transmembrane metalloproteinase-like, disintegrin-like, and cysteine-rich protein III; MGC41836; MGC88272;
Gene ID	8749
mRNA Refseq	NM_001190956
Protein Refseq	NP_001177885
UniProt ID	Q9Y3Q7
Chromosome Location	8p11.22
Function	metalloendopeptidase activity; metallopeptidase activity; zinc ion binding;

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