

Recombinant Human ADAM28 protein, His-tagged

Cat. No. ADAM28-3003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAM28(Glu525-Lys774) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu525-Lys774
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 biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene is a lymphocyte-expressed ADAM protein. This gene is present in a gene cluster with other members of the ADAM family on chromosome 8. Alternative splicing results in multiple transcript variants.
Form	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Molecular Mass	29.3kDa
AA Sequence	MGHHHHHHSGSEF-EVADKS CYNRNEGGSKYGYCRRVDDT LIPCKANDTM CGKLFCQGGG DNLPWKGRIV TFLTCKTFDP EDTSQEIGMVANGTKCGDNK

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VCINAECVDI EKAYKSTNCS SKCKGHAVCD HELQCQCEEG
 WIPDCDDSSVVFHFSIVVG VLFPMVIFV VVAMVIRHQS SREKQKKDQR
 PLSTTGTRPH KQKRKPQMVKAVQPQEMSQM KPHVYDLPVE GNEPPASFHK
 DTNALPPTVF KDNPVSTPKD SNPK

Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ADAM28 ADAM metalloproteinase domain 28 [Homo sapiens]
Official Symbol	ADAM28
Synonyms	ADAM28; ADAM metalloproteinase domain 28; a disintegrin and metalloproteinase domain 28; disintegrin and metalloproteinase domain-containing protein 28; ADAM23; eMDCII; MDC Lm; MDC Ls; metalloproteinase-like, disintegrin-like, and cysteine-rich protein-L; epididymal metalloproteinase-like, disintegrin-like, and cysteine-rich protein II; MDCL; MDC-L; MDC-Lm; MDC-Ls; ADAM 28; eMDC II;
Gene ID	10863
mRNA Refseq	NM_014265

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Protein Refseq	NP_055080
MIM	606188
UniProt ID	Q9UKQ2
Chromosome Location	8p21.2
Function	metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding;

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