

## Recombinant Human ADAM28 protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ADAM28(Glu525-Lys774) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Glu525-Lys774                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 29.3kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MGHHHHHHSGSEF-EVADKS CYNRNEGGSKYGYCRRVDDT LIPCKANDTM<br>CGKLFCQGGG DNLPWKGRIV TFLTCKTFDP EDTSQEIGMVANGTKCGDNK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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

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

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ADAM28 ADAM metalloproteinase domain 28 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | ADAM28                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 10863                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_014265                                                                                                                                                                                                                                                                                                                                                                                         |

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

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