

## Recombinant Human ADAMTS3, His-tagged

**Cat. No.** ADAMTS3-3015H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A disintegrin and metalloproteinase with thrombospondin motifs 3 (ADAMTS3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | <p>This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene is the major procollagen II N-propeptidase. A deficiency of this protein may be responsible for dermatosparaxis, a genetic defect of connective tissues. [provided by RefSeq, Jul 2008]</p> |
| <b>Form</b>             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>            | Small volumes of ADAMTS3 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                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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container's cap. Certain products may require to ship with dry ice.

**Storage** Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

**Storage Buffer** PBS pH 7.4, 50% glycerol

**Warning** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

**Gene Name** [ADAMTS3 ADAM metallopeptidase with thrombospondin type 1 motif, 3 \[ Homo sapiens \]](#)

**Official Symbol** ADAMTS3

**Synonyms** ADAMTS3; ADAM metallopeptidase with thrombospondin type 1 motif, 3; a disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3; A disintegrin and metalloproteinase with thrombospondin motifs 3; ADAMTS 4; KIAA0366; ADAM-TS3; ADAMTS-3; PC II-NP; ADAM-TS 3; zinc metalloendopeptidase; procollagen II N-proteinase; procollagen II amino propeptide-processing enzyme; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3; ADAMTS-4;

**Gene ID** [9508](#)

**mRNA Refseq** [NM\\_014243](#)

**Protein Refseq** [NP\\_055058](#)

**MIM** [605011](#)

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|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| <b>UniProt ID</b>          | O15072                                                                                                   |
| <b>Chromosome Location</b> | 4q21                                                                                                     |
| <b>Function</b>            | heparin binding; metal ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding; |

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