

## Recombinant Human A Disintegrin and Metalloproteinase Domain 12 S Isoform, His-tagged

Cat. No. ADAM12-264H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human recombinant ADAM12S comprises a 531 amino acid fragment (208-738) corresponding to the mature ADAM 12S protein isoform and is expressed in E. coli with an amino-terminal hexahistidine tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	208-738 a.a.
<b>Description</b>	ADAM proteins are a family of membrane-anchored cell surface protein containing both a disintegrin and a metalloprotease domain. Their exact functions have not been fully characterised however, they are thought to mediate a number of cellular processes including differentiation, cell fusion, cell-cell interactions and shedding of plasma membrane bound growth factor precursors. Two forms of ADAM12 have been described: ADAM12S and ADAM12L (short and long forms). The short form (ADAM12S) is a soluble form, which lacks the transmembrane and cytoplasmic domains. ADAM12S expression is thought to be limited to the placenta, embryo and foetus although levels have been detected in some tumour cell lines.
<b>Purity</b>	>95% by SDS-PAGE
<b>Form</b>	Liquid

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**Storage** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

## GENE INFORMATION

**Gene Name** [ADAM12 ADAM metalloproteinase domain 12 \[ Homo sapiens \]](#)

**Synonyms** ADAM12; MCMP; MCMPMItna; MLTN; MLTNA; A Disintegrin and Metalloprotease Domain 12 S isoform; ADAM12 precursor (EC 3.4.24); Meltrin alpha; ADAM12 ADAM metalloproteinase domain 12; ADAM metalloproteinase domain 12; OTTHUMP00000020727; OTTHUMP00000046766; a disintegrin and metalloproteinase domain 12 (meltrin alpha); EC 3.4.24.; A disintegrin and metalloproteinase domain 12.

**Gene ID** [8038](#)

**mRNA Refseq** [NM\\_003474](#)

**Protein Refseq** [NP\\_003465](#)

**MIM** [602714](#)

**UniProt ID** [O43184](#)

**Chromosome Location** 10q26.3

**Pathway** Signaling by EGFR

**Function** SH3 domain binding; metal ion binding ; metalloendopeptidase activity; peptidase activity; protein binding; zinc ion binding

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