

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	208-738 a.a.
Description	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.
Purity	>95% by SDS-PAGE
Form	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 metallopeptidase domain 12 [Homo sapiens]

Synonyms

ADAM12; MCMP; MCMPMltna; MLTN; MLTNA; A Disintegrin and Metalloprotease Domain 12 S isoform; ADAM12 precursor (EC 3.4.24); Meltrin alpha; ADAM12 ADAM metallopeptidase domain 12; ADAM metallopeptidase 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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