

Active Recombinant Human ADAM Metallopeptidase Domain 8, His-tagged

Cat. No. ADAM8-525H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAM8 protein was expressed in Murine myeloma cell line with a C-terminal 6-His tag. Met1-Pro497.
Species	Human
Source	Mammalian Cells
Protein Length	1-497 a.a.
Description	ADAM8, also known as cell surface antigen MS2 or CD156a, is a member of the ADAM family that contains a disintegrin and metalloprotease-like domain. ADAM8 can cleave a variety of substrates and has been shown as a sheddase for the low affinity IgE receptor CD23 and the neural recognition molecule CHL1. Expression and regulation studies suggest that ADAM8 is a novel osteoclast stimulating factor and may play a role in asthma.
Form	Supplied as a 0.2 µm filtered solution in Glycerol, Tris, NaCl and CaCl ₂ .
N-terminal Sequence	Glu158
Molecular Weight	38 kDa
Activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-DpaRSSSR-NH ₂ . The specific activity is > 1 pmol/min/µg, as measured under the

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	described conditions.
Endotoxin Level	< 1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	42 kDa, reducing conditions.
Purity	> 90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70°C as supplied. 3 months, -20 to -70°C under sterile conditions after opening.

GENE INFORMATION

Gene Name	ADAM8 ADAM metalloproteinase domain 8 [Homo sapiens]
Official Symbol	ADAM8
Synonyms	ADAM8; ADAM metalloproteinase domain 8; MS2; CD156; CD156a; disintegrin and metalloproteinase domain-containing protein 8; cell surface antigen MS2; human leukocyte differentiation antigen; a disintegrin and metalloproteinase domain 8; EC 3.4.24.-
Gene ID	101
mRNA Refseq	NM_001109
Protein Refseq	NP_001100
MIM	602267

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UniProt ID	P78325
Chromosome Location	10q26.3
Function	calcium ion binding;cell adhesion molecule binding; metalloendopeptidase activity;metallopeptidase activity; peptidase activity; protein binding; protein self-association;zinc ion binding

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