

## Active Recombinant Human ADAM12, His-tagged

Cat. No. ADAM12-233H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ADAM12 (Accession # AAC08702) Arg29-Ser513, fused with an N-terminal signal peptide and a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	29-513 a.a.
<b>Predicted N Terminal</b>	Arg29
<b>Form</b>	Supplied as a 0.2 µ filtered solution in HEPES, NaCl and CaCl <sub>2</sub> .
<b>Bio-activity</b>	Measured by its ability to cleave IGFBP-3.
<b>Molecular Mass</b>	Recombinant Human ADAM12, His-tagged has a calculated MW of 55 kDa (Pro) & 34 kDa (Mature). In SDS-PAGE migrates as 28 kDa, 44 kDa & 68 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	ADAM12 ADAM metallopeptidase domain 12 [ Homo sapiens ]
<b>Official Symbol</b>	ADAM12
<b>Synonyms</b>	ADAM12; ADAM metallopeptidase domain 12; a disintegrin and metalloproteinase domain 12 (meltrin alpha); disintegrin and metalloproteinase domain-containing protein 12; MCMPMltna; meltrin alpha; MLTN; meltrin-alpha; MCMP; MLTNA;
<b>Gene ID</b>	8038
<b>mRNA Refseq</b>	NM_003474
<b>Protein Refseq</b>	NP_003465
<b>MIM</b>	602714
<b>UniProt ID</b>	O43184
<b>Chromosome Location</b>	10q26

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