

Recombinant Human ADAM 10, His-tagged

Cat. No. ADAM10-265H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAM 10 comprises a 459 amino acid fragment (214-672) corresponding to the ADAM 10 extracellular domain minus the signal peptide and pro-sequence and is expressed in E. coli with an amino-terminal hexahistidine tag.
Species	Human
Source	E.coli
Protein Length	214-672 a.a.
Description	ADAM 10 is a member of the ADAM family of membrane-anchored cell surface proteins, which contain both a disintegrin and a metalloprotease domain. ADAM 10 is expressed in a wide variety of tissues and resides on both the cell surface and within the cytoplasm. ADAM10 has been implicated in proteolytic release of a number of cell surface proteins in particular TNF alpha.
Purity	>95% by SDS-PAGE
Form	Liquid
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

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Gene Name	ADAM10 ADAM metallopeptidase domain 10 [Homo sapiens]
Synonyms	ADAM10; CD156c; HsT18717; MADM; kuz; AD10; KUZ; EC 3.4.24.81; A desintegrin and metalloprotease domain 10; Mammalian disintegrin-metalloprotease; Kuzbanian protein homolog; CDw156c antigen; AD10; CDw156; kuzbanian; CD156c antigen; a disintegrin and metalloprotease domain 10; ADAM metallopeptidase domain 10; ADAM10 ADAM metallopeptidase domain 10.
Gene ID	102
mRNA Refseq	NM_001110
Protein Refseq	NP_001101
MIM	602192
UniProt ID	O14672
Chromosome Location	15q2; 15q22
Pathway	Epithelial cell signaling in Helicobacter pylori infection; Signaling by EGFR; Signaling by Notch
Function	SH3 domain binding; integrin binding; metal ion binding; metalloendopeptidase activity; peptidase activity; protein homodimerization activity; protein kinase binding; zinc ion binding