

Recombinant Human ADAM15 protein, His-tagged

Cat. No. ADAM15-1717H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAM15 aa. (Ser505~Arg745) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser505~Arg745
Description	The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.
Form	Freeze-dried powder
Molecular Mass	21kDa as determined by SDS-PAGE reducing conditions.

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	7.1

GENE INFORMATION

Gene Name	ADAM15 ADAM metallopeptidase domain 15 [Homo sapiens (human)]
Official Symbol	ADAM15
Synonyms	ADAM15; ADAM metallopeptidase domain 15; MDC15; disintegrin and metalloproteinase domain-containing protein 15; MDC-15; a disintegrin and

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metalloproteinase domain 15 (metargidin); metalloprotease RGD disintegrin protein;
metalloproteinase-like, disintegrin-like, and cysteine-rich protein 15

Gene ID	8751
mRNA Refseq	NM_001261464.1
Protein Refseq	NP_001248393.1
UniProt ID	Q13444

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