

Recombinant Human ADAM22 protein, His & T7-tagged

Cat. No. ADAM22-1750H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAM22 aa. (Leu370~Asn582 (Accession # Q9P0K1)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu370~Asn582
Description	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Unlike other members of the ADAM protein family, the protein encoded by this gene lacks metalloprotease activity since it has no zinc-binding motif. This gene is highly expressed in the brain and may function as an integrin ligand in the brain. In mice, it has been shown to be essential for correct myelination in the peripheral nervous system. Alternative splicing results in several transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
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.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5.3

GENE INFORMATION

Gene Name	ADAM22 ADAM metallopeptidase domain 22 [Homo sapiens (human)]
Official Symbol	ADAM22
Synonyms	ADAM22; ADAM metallopeptidase domain 22; MDC2; ADAM 22; disintegrin and metalloproteinase domain-containing protein 22; a disintegrin and metalloproteinase domain 22; metalloproteinase-disintegrin ADAM22-3; metalloproteinase-like, disintegrin-like, and cysteine-rich protein 2
Gene ID	53616

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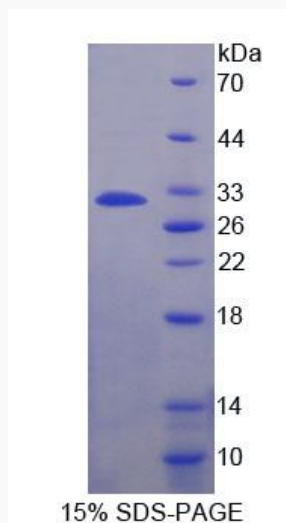
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mRNA Refseq [NM_004194.4](#)

Protein Refseq [NP_004185.1](#)

UniProt ID [Q9P0K1](#)

SDS-PAGE



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