

Recombinant Full Length Human ADAM22 Protein, GST-tagged

Cat. No. ADAM22-883HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAM22 full-length ORF (AAH36029.1, 1 a.a. - 342 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	342 amino acids
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.[provided by RefSeq, Dec 2010]
Molecular Mass	65.9 kDa
AA Sequence	MQAAVAVSVP FLLLCVLGTC PPARCGQAGD ASLMELEKRK ENRFVERQSI VPLRLIYRSG GEDES RHDAL DTRVVRGDVGG PQLTHVDQAS FQVDAFGTSF

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ILDVVLNHD L LSSEYIERHI EHGGKTVEVK GGEHCYYQGH IRGNPDSFVA
 LSTCHGLHGM FYDGNHTYLI EPEENDTTQE DFHFHSVYKS RLFEFSLDDL
 PSEFQQVNIT PSKFILKPRP KRSKRQLRRY PRNVEEETKY IELMIVNDHL
 MFKKHRLSVV HTNTYAKSVV NMADLIYKDQ LKTRIVLVAM ETWATDNKFA
 ISENPLITLR EFMKYRRDFI KEKSDAVHLF SYVTSVMMYY FF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ADAM22 ADAM metalloproteinase domain 22 \[Homo sapiens \]](#)

Official Symbol [ADAM22](#)

Synonyms ADAM22; ADAM metalloproteinase domain 22; a disintegrin and metalloproteinase domain 22; disintegrin and metalloproteinase domain-containing protein 22; MDC2; metalloproteinase like; disintegrin like; and cysteine rich protein 2; metalloproteinase-disintegrin ADAM22-3; metalloproteinase-like, disintegrin-like, and cysteine-rich protein 2; ADAM 22; MGC149832

Gene ID [53616](#)

mRNA Refseq [NM_004194](#)

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Protein Refseq	NP_004185
MIM	603709
UniProt ID	Q9P0K1

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