

Recombinant Human ADAM22 Protein, GST-tagged

Cat. No. ADAM22-283H **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	Wheat Germ
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	MQAAVAVSVPFLLLCVLGTCPPARCGQAGDASLMELEKRKENRFVERQSIVPLRLIY RSGGEDES RHDALDTRVRGDVGGPQLTHVDQASFQVDAFGTSFILDVVLNHDLLSS EYIERHIEHGGKTVEVKGGEHCYYQGHIRGNPDSFVALSTCHGLHGMFYDGNHTYLI EPEENDTTQEDFHFHSVYKSRLFEFSLDDL PSEFQQVNITPSKFIKPRPKRSKRQLR

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RYPRNVEEETKYIELMIVNDHLMFKKHRLSVVHTNTYAKSVVNMADLIYKDQLKTRIV
LVAMETWATDNKFAISENPLITLREFMKYRRDFIKEKSDAVHLFSYVTSVMMYYFF

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

Protein Refseq

NP_004185

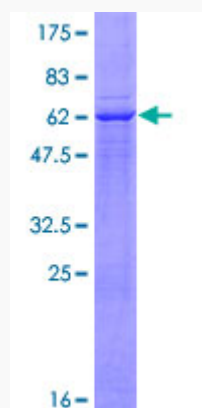
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