

Recombinant Full Length Human ADAM2 Protein, GST-tagged

Cat. No. ADAM2-871HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAM2 full-length ORF (AAH34957.1, 1 a.a. - 716 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	716 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. The encoded protein is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]
Molecular Mass	104.39 kDa
AA Sequence	MWRVLFLLSG LGGLRMDSNF DSLPVQITVP EKIRSIIEG IESQASYKIV IEGKPYTVNL MQKNFLPHNF RVYSYSGTGI MKPLDQDFQN FCHYQGYIEG YPKSVVMVST CTGLRGVLQF ENVSYGIEPL ESSVGFEHVI YQVKHKKADV SLYNEKDIES RDLSEFKLQSV EYNHMGSDTT VVAQKVFQLI GLTNAIFVSF NITIILSSLE LWIDENKIAT TGEANELLHT FLRWKTSYLV LRPHDVAFLL

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VYREKSNYVG ATFQGKMCD A NYAGGVVLHP RTISLES LAV ILAQLLSLSM
 GITYDDINKC QCSGAVCIMN PEAIHFSGVK IFSNCSFEDF AHFISKQKSQ
 CLHNQPRLD P FFKQQAVCGN AKLEAGEECD CGTEQDCALI GETCCDIATC
 RFKAGSNCAE GPCCENCLFM SKERMCRPSF EEC DLPEYCN GSSASCPENH
 YVQTGHPCGL NQWICIDGVC MSGDKQCTDT FGKEVEFGPS ECYSHLNSKT
 DVSGNCGISD SGYTQCEADN LQCGKLICKY VGKFLQIPR ATIIYANISG
 HLCIAVEFAS DHADSQKMWI KDG TSCGSNK VCRNQRCVSS SYLGYDCTTD
 KCNDRGVCNN KKHCHCSASY LPPDCSVQSD LWP GGSIDSG NFPPVAIPAR
 LPERRYIENI YHSKPMRWPF FLFIPFFIIF CVLIAIMVKV NFQRKKWRTE
 DYSSDEQPES ESEPKG

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

ADAM2 ADAM metalloproteinase domain 2 [Homo sapiens]

Official Symbol

ADAM2

Synonyms

ADAM2; ADAM metalloproteinase domain 2; fertilin beta , FTNB; disintegrin and metalloproteinase domain-containing protein 2; cancer/testis antigen 15; CT15; PH 30b; PH30; PH-30; ADAM 2; PH30-beta; fertilin beta; fertilin subunit beta; FTNB; CRYN1; CRYN2; PH-30b

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Gene ID	2515
mRNA Refseq	NM_001464
Protein Refseq	NP_001455
MIM	601533
UniProt ID	Q99965

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