

# Recombinant Full Length Human ADAM2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ADAM2 full-length ORF ( AAH34957.1, 1 a.a. - 716 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	716 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	104.39 kDa
<b>AA Sequence</b>	MWRVLFLLSG LGGLRMDSNF DSLPVQITVP EKIRSIIEG IESQASYKIV IEGKPYTVNL MQKNFLPHNF RVYSYSGTGI MKPLDQDFQN FCHYQGYIEG YPKSVVMVST CTGLRGVLQF ENVSYGIEPL ESSVGFEHVI YQVKHKKADV SLYNEKDIES RDLSEKLSV EYNHMGSDTT VVAQKVFQLI GLTNAIFVSF NITILSSLE LWIDENKIAT TGEANELLHT FLRWKTSYLV LRPDVAFL

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VYREKSNYVG ATFQGKMCD A NYAGGVVLHP RTISLES LAV ILAQLLSLSM  
 GITYDDINKC QCSGAVCIMN PEAIHFSGVK IFSNCSFEDF AHFISKQK SQ  
 CLHNQPR LDP FFKQQAVCGN AKLEAGEECD CGTEQDCALI GETCCDIATC  
 RFKAGSNCAE GPCCENCLFM SKERMCRPSF EEC DLPEYCN GSSASCPENH  
 YVQTGHPCGL NQWICIDGVC MSGDKQCTDT FGKEVEFGPS ECYSHLNSKT  
 DVSGNCGISD SGYTQCEADN LQCGKLICKY VGKFL LQIPR ATIIYANISG  
 HLCIAVEFAS DHADSQKMWI KDG TSCGSNK VCRNQR CVSS SYLGYDCTTD  
 KCNDRGVCNN KKHCHCSASY LPPDCSVQSD LWP GGSIDSG NFP PVAIPAR  
 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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