

# Recombinant Full Length Human ADAM2 Protein

**Cat. No.** ADAM2-11HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ADAM2, isoform 2 with N terminal proprietary tag.<br>Predicted MW 104.76 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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. This member is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 104.760kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MWRVLFLLSG LGGLRMDSNF DSLPVQITVP EKIRSIIEG IESQASYKIV<br>IEGKPYTVNL MQKNFLPHNF RVYSYSGTGI MKPLDQDFQN FCHYQGYIEG<br>YPKSVVMVST CTGLRGVLQF ENVSYGIEPL ESSVGFEHVI YQVKHKKADV<br>SLYNEKDIES RDLSEKLSQSV EYNHMGSDTT VVAQKVFQLI GLTNAIFVSF                                                                                                                                                                                                                                                                                           |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

NITIILSSLE LWIDENKIAT TGEANELLHT FLRWKTSYLV LRPHDVAFL  
 VYREKSNYVG ATFQGMCD A NYAGGVVLHP RTISLESLAV ILAQLLSLSM  
 GITYDDINKC QCSGAVCIMN PEAIHFSGVK IFSNCSFEDF AHFISKQKSQ  
 CLHNQPRLD P FFKQQAVCGN AKLEAGEECD CGTEQDCALI GETCCDIATC  
 RFKAGSNCAE GPCCENCLFM SKERMCRPSF EECDLPEYCN GSSASCPENH  
 YVQTGHPGCL NQWICIDGVC MSGDKQCTDT FGKEVEFGPS ECYSHLNSKT  
 DVSGNCGISD SGYTQCEADN LQCGKLUCKY VGKFLQIPR ATIIYANISG  
 HLCIAVEFAS DHADSQKMWI KDGTSKGSNK VCRNQRCVSS SYLGYDCTTD  
 KCNDRGVCNN KKHCHCSASY LPPDCSVQSD LWPGGSIDSG NFPPVAIPAR  
 LPERRYIENI YHSPMRWPF FLFIPFFIIF CVLIAIMVKV NFQRKKWRTE  
 DYSSDEQPES ESEPKG

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents: 0.3% Glutathione, 0.79% Tris HCl.

## 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; PH3

**Gene ID** 2515

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|                |           |
|----------------|-----------|
| mRNA Refseq    | NM_001464 |
| Protein Refseq | NP_001455 |
| MIM            | 601533    |
| UniProt ID     | Q99965    |

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