

Recombinant Human ADAM2

Cat. No. ADAM2-26413TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ADAM2, isoform 2 with N terminal proprietary tag. Predicted MW 104.76 kDa.
Species	Human
Source	Wheat Germ
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. This member is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions.
Molecular Weight	104.760kDa inclusive of tags
Tissue specificity	Expressed specifically in spermatogenic cells in the seminiferous cells. Not detected in fetal tissues.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MWRVLFLLSGLGGLRMDSNFDSLVPVQITVPEKIRSIIEG IESQASYKIVIEGKPYTVN LMQKNFLPHNFRVYSYSGTGI MKPLDQDFQNFCHYQGYIEGYPKSVVMVSTCTGL RGVLQF ENVSYGIEPLESSVGFVHVIYQVKHKKADVSLYNEKDIES RDLSEFKLQSVE YNHMGSDTTVVAQKVFQLIGLTNAIFVSF NITILSSLELWIDENKIATTGEANELLHTF LRWKTSYLV LRPDVAFLLVYREKSNYVGATFQGKMCDANYAGGVVLHP RTISLE SLAVILAQLLSLSMGITYDDINKCQCSGAVCIMN PEAIHFSGVKIFSNCSEDFAHFIS KQKSQCLHNQPRLD P FFKQQA VCGNAKLEAGEE CDCGTEQDCALIGETCCDIATC RFKAGSNCAEGPCCENCLFMSKERMCRPSFEEDLPEYCN GSSASCPENHYVQT GHPCGLNQWICIDGVCMSGDKQCTDT FGKEVEFGPSECYSHLNSKTDVSGNCGIS DSGYTQCEADN LQCGK LICKYVGK FLLQIPRATIIYANISGHL CIAVEFAS DHADSQK MWIKDGTSCGSNKVCRNQRCVSSSYLGYDCTTD KCNDRGVCNNKKHCHCSASYL PPDCSVQSDLWPGGSIDSG NFPPVAIPARLPERRYIENIYH SKPMRWPFFLFIPFFIIF CVLIAIMVKVNFQRKKWRTE DYSSDEQPESESEPKG
Sequence Similarities	Contains 1 disintegrin domain. Contains 1 EGF-like domain. Contains 1 peptidase M12B domain.

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

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	30b; PH30;
Gene ID	2515
mRNA Refseq	NM_001464
Protein Refseq	NP_001455
MIM	601533
Uniprot ID	Q99965
Chromosome Location	8p11.2
Function	integrin binding; metalloendopeptidase activity; metallopeptidase activity; zinc ion binding;

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