

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: 8.00Constituents: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	MWRVLFLLSGLGGLRMDSNFDSLVPQITVPEKIRSIKEG IESQASYKIVIEGKPYTVN LMQKNFLPHNFRVYSYSGTGI MKPLDQDFQNFCHYQGYIEGYPKSVVMVSTCTGL RGVLQF ENVSYGIEPLESSVGFEHVIYQVKHKKADVSLYNEKDIES RDLSEFKLQSVE YNHMGSDTTVVAQKVFQLIGLTNAIFVSF NITIILSSLELWIDENKIATTGEANELLHTF LRWKTSYLV LRPHDVAFLLVYREKSNYVGATFQGKMCDANYAGGVVLHP RTISLE SLAVILAQLLSLSMGITYDDINKCQCSGAVCIMN PEAIHFSGVKIFSNCSEDFAHFIS KQKSQCLHNQPRLDLP FFKQQAVCGNAKLEAGEECDGTEQDCALIGETCCDIATC RFKAGSNCAEGPCCENCLFMSKERMCRPSFEEDLPEYCN GSSASCPENHYVQT GHPCGLNQWICIDGVCMMSGDKQCTDT FGKEVEFGPSECYSHLNSKTDVSGNCGIS DSGYTQCEADN LQCGKCLICKYVGKFLQIPRATIIYANISGHLCIAVEFAS DHADSQK MWIKDGTSCGSNKVCRNQRCVSSSYLGYDCTTD KCNDRGVCNNKKHCHCSASYL PPDCSVQSDLWPGGSIDSG NFPPVAIPARLPERRYENIYHSKPMRWPFFLFIPFFIIF CVLIAIMVKVNFQRKKWRTEGYSSDEQPESESEPKG
Sequence Similarities	Contains 1 disintegrin domain.Contains 1 EGF-like domain.Contains 1 peptidase M12B domain.
GENE INFORMATION	
Gene Name	ADAM2 ADAM metallopeptidase domain 2 [Homo sapiens]
Official Symbol	ADAM2
Synonyms	ADAM2; ADAM metallopeptidase 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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