AMHR2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	AMHR2, Recombinant Protein
Full Product Name	Recombinant Human AMHR2 Protein, C-Fc
Product Gene Name	AMHR2 recombinant protein
Product Synonym Names	MIS type II receptor; MISR2; AMHR2; AMHR; Anti-Muellerian hormone type II receptor; MRII; AMH type II receptor; MISRII; Anti-Muellerian hormone type-2 receptor
Host	Mammalian
Form/Format	Liquid; 0.01M PBS, pH7.4.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	51,827 Da
Sequence Positions	Met1-Ser144
OMIM	261550
3D Structure	ModBase 3D Structure for Q16671
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for AMHR2 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for AMHR2 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for AMHR2 recombinant protein	MBS1576359 is a recombinant protein targeting AMHR2. Also known as Recombinant Human AMHR2 Protein, C-Fc. Host: Mammalian.
Other Notes	Small volumes of AMHR2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMHR2. It may not necessarily be applicable to this product.

NCBI GI #	257743467
NCBI GeneID	269
NCBI Accession #	NP_001158162.1
UniProt Primary Accession #	Q16671
UniProt Secondary Accession #	Q13762; Q647K2; A0AVE1; B9EGB7; E9PGD2; F8W1D2
UniProt Related Accession #	Q16671

GenBank Nucleotide #	NM_001164690.1
NCBI Official Full Name	anti-Muellerian hormone type-2 receptor isoform 2
NCBI Official Synonym Full Names	anti-Mullerian hormone receptor type 2
NCBI Official Symbol	AMHR2
NCBI Official Synonym Symbols	AMHR; MRII; MISR2; MISRII
UniProt Protein Name	Anti-Muellerian hormone type-2 receptor
UniProt Synonym Protein Names	Anti-Muellerian hormone type II receptor; AMH type II receptor; MIS type II receptor; MISRII; MRII
Protein Family	Anti-Muellerian hormone type-2 receptor
UniProt Gene Name	AMHR2
UniProt Synonym Gene Names	AMHR; MISR2; AMH type II receptor; MISRII; MRII
UniProt Entry Name	AMHR2_HUMAN
NCBI Protein Information	anti-Muellerian hormone type-2 receptor
NCBI Summary for AMHR2	This gene encodes the receptor for the anti-Mullerian hormone (AMH) which, in addition to testosterone, results in male sex differentiation. AMH and testosterone are produced in the testes by different cells and have different effects. Testosterone promotes the development of male genitalia while the binding of AMH to the encoded receptor prevents the development of the mullerian ducts into uterus and Fallopian tubes. Mutations in this gene are associated with persistent Mullerian duct syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2009]
UniProt Comments for AMHR2	MISR2: On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for anti-Muellerian hormone. Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily. Protein type: EC 2.7.11.30; Protein kinase, TKL; Kinase, protein; Protein kinase, Ser/Thr (receptor); Membrane protein, integral; TKL group; STKR family; Type2 subfamily Chromosomal Location of Human Ortholog: 12q13 Molecular Function: hormone binding; protein binding; receptor activity Biological Process: sex differentiation; signal transduction Disease: Persistent Mullerian Duct Syndrome, Types I And Ii
Research Articles on AMHR2	**1.** A significant subset of GnRH neurons express the AMH receptor.
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