

Active Recombinant Human AMHR2, Fc-tagged, Biotinylated

Cat. No. AMHR2-535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human AMHR2-Fc fusion protein is expressed as a 354 amino acid protein consisting of Pro18 - Ser144 region of AMHR2 (UniProt accession #Q16671) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	18-144 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Recombinant AMHR2 protein binds human AMH/MIS and blocks AMH/MIS-induced signaling activity
Molecular Mass	Calculated molecular mass (kDa): 39.0; Estimated by SDS-PAGE under reducing condition (kDa): 50-55
AA Sequence	PPNRRTCVFEEAPGVRGSKTLGELLDTGTELPRAIRCLYSRCCFGIWNLTQDRAQV EMQGCRRDSDEPGCESLH CDPSRAHPSPGSTLFTCSGTDFCNANYSHLPPPGS PGTPGSQGPQAAPGESTGTHTCPPCPAPELLGGPSVF LFPPKPKDTLMISRTPEVT CVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF

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	YPSDIAVEWESNGQPE NNYKTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV MHEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	AMHR2 anti-Mullerian hormone receptor, type II [Homo sapiens]
Official Symbol	AMHR2
Synonyms	AMHR2; anti-Mullerian hormone receptor, type II; anti-Muellerian hormone type-2 receptor; MISR2; MISRII; M?llerian inhibiting substance type II receptor; AMH type II receptor; MIS type II receptor; anti-Muellerian hormone type II receptor; Mullerian inhibiting substance type II receptor; AMHR; MRII;
Gene ID	269
mRNA Refseq	NM_001164690
Protein Refseq	NP_001158162

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MIM	600956
UniProt ID	Q16671
Chromosome Location	12q13
Pathway	ALK2 signaling events, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	ATP binding; hormone binding; metal ion binding; nucleotide binding; receptor activity; transforming growth factor beta receptor activity, type II;

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