Active Recombinant Human Anti-Mullerian Hormone Receptor, Type II, Fc-tagged

Cat. No. AMHR2-5601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMHR2protein was expressed in Murine myeloma cell line with the Fc part of humanIgG1 Pro100-Lys330 (C-terminus) and Pro18-Ser144 (N-terminus).
Species	Human
Source	Mammalian Cells
ProteinLength	18-144 a.a.
Description	Human AMHR2 is an 82kDa serine/threonine receptor with a single transmembrane domain that belongsto the family of type II receptors of the TGF β superfamily. The AMHR2precursor is 573 amino acids (aa) in length, with a 17 aa signal sequence, a127 aa extracellular region that also contains two potential Nlinkedglycosylation sites, a 26 aa transmembrane region, and a 403 aa cytoplasmicregion that contains the serine/threonine kinase domain.
Form	Lyophilized from a0.2 μm filtered solution in PBS.
N-terminalSequence	Pro18
Molecular Weight	40.2 kDa
Activity	Measuredby its ability to bind rhAMHR2 in afunctional ELISA.

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Endotoxin Level	<1.0 EUper 1 μg of the protein by the LAL method.
SDS-PAGE	60-65kDa, reducing conditions
Purity	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstituteat 100 μg/mL in PBS
Storage	Use a manualdefrost freezer and avoid repeated freezethaw cycles. 12 months from date of receipt,-20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	AMHR2 anti-Mullerian hormonereceptor, type II [Homo sapiens]
Official Symbol	AMHR2
Synonyms	AMHR2; anti-Mullerianhormone receptor, type II; AMHR; MRII; MISR2; MISRII; anti-Muellerian hormonetype-2 receptor; AMH type II receptor; MIS type II receptor; anti-Muellerianhormone type II receptor; Mullerian inhibiting substance type II receptor; EC2.7.11.30; OTTHUMP00000242707; OTTHUMP00000242708; OTTHUMP00000242709
Gene ID	269
mRNA Refseq	NM_001164690
Protein Refseq	NP_001158162
MIM	600956

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UniProt ID	Q16671
Chromosome Location	12q13
Pathway	ALK2 signalingevents; Cytokine-cytokine receptor interaction; TGF-beta signaling pathway
Function	ATP binding; hormonebinding; metal ion binding; nucleotide binding; receptor activity; transforminggrowth factor beta receptor activity

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