

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 AMHR2 protein was expressed in Murine myeloma cell line with the Fc part of human IgG1 Pro100-Lys330 (C-terminus) and Pro18-Ser144 (N-terminus).
Species	Human
Source	Mammalian Cells
Protein Length	18-144 a.a.
Description	Human AMHR2 is an 82kDa serine/threonine receptor with a single transmembrane domain that belongs to the family of type II receptors of the TGF β superfamily. The AMHR2 precursor is 573 amino acids (aa) in length, with a 17 aa signal sequence, a 127 aa extracellular region that also contains two potential N-linked glycosylation sites, a 26 aa transmembrane region, and a 403 aa cytoplasmic region that contains the serine/threonine kinase domain.
Form	Lyophilized from a 0.2 μ m filtered solution in PBS.
N-terminal Sequence	Pro18
Molecular Weight	40.2 kDa
Activity	Measured by its ability to bind rhAMHR2 in a functional ELISA.

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Endotoxin Level	<1.0 EU per 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	Reconstitute at 100 µg/mL in PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw 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 hormone receptor, type II [Homo sapiens]
Official Symbol	AMHR2
Synonyms	AMHR2; anti-Mullerian hormone receptor, type II; AMHR; MR2; MISR2; MISR2; anti-Muellerian hormone type-2 receptor; AMH type II receptor; MIS type II receptor; anti-Muellerian hormone 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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