Recombinant Human GLRA2

Cat. No. GLRA2-27147TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acis 151-252 of Human alpha 2 Glycine Receptor with a N terminal proprietary tag; predicted MWt 36.85 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	102 amino acids
Description	The glycine receptor consists of two subunits, alpha and beta, and acts as a pentamer. The protein encoded by this gene is an alpha subunit and can bind strychnine. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.850kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
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.

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Sequences of amino acids	LLRISKNGKVLYSIRLTLTLSCPMDLKNFPMDVQTCTMQL ESFGYTMNDLIFEWLSD GPVQVAEGLTLPQFILKEEKELG YCTKHYNTGKFTCIEVKFHLER
Sequence Similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Glycine receptor (TC 1.A.9.3) subfamily. GLRA2 sub-subfamily.

GENE INFORMATION

Gene Name	GLRA2 glycine receptor, alpha 2 [Homo sapiens]
Official Symbol	GLRA2
Synonyms	GLRA2; glycine receptor, alpha 2; GLR; glycine receptor subunit alpha-2;
Gene ID	2742
mRNA Refseq	NM_001118885
Protein Refseq	NP_001112357
MIM	305990
Uniprot ID	P23416
Chromosome Location	Xp22.1-p21.3
Pathway	Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Transmembrane transport of small molecules, organism-specific

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	biosystem;
Function	extracellular ligand-gated ion channel activity; extracellular-glycine-gated chloride channel activity; glycine binding; ion channel activity; receptor activity;

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