

Recombinant Human GLRA3, GST-tagged

Cat. No. GLRA3-13309H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLRA3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	28-254a.a.
Description	This gene encodes the first and rate-limiting enzyme of the hexosamine pathway and controls the flux of glucose into the hexosamine pathway. The product of this gene catalyzes the formation of glucosamine 6-phosphate.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GLRA3 glycine receptor, alpha 3 [Homo sapiens]
Official Symbol	GLRA3

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Synonyms	GLRA3; glycine receptor, alpha 3; glycine receptor subunit alpha-3; ligand gated ion channel; glycine receptor alpha 3 subunit; glycine receptor, alpha-3 polypeptide;
Gene ID	8001
mRNA Refseq	NM_001042543
Protein Refseq	NP_001036008
MIM	600421
UniProt ID	O75311
Chromosome Location	4q34.1
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 biosystem;
Function	extracellular ligand-gated ion channel activity; extracellular-glycine-gated chloride channel activity; glycine binding; ion channel activity; receptor activity; transmitter-gated ion channel activity;