

Recombinant Full Length Human GLRA1 Protein, GST-tagged

Cat. No. GLRA1-5343HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLRA1 full-length ORF (NP_000162.2, 1 a.a. - 449 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	449 amino acids
Description	The protein encoded by this gene is a subunit of a pentameric inhibitory glycine receptor. The receptor mediates postsynaptic inhibition in the central nervous system. Defects in this gene are a cause of startle disease (STHE), also known as hereditary hyperekplexia or congenital stiff-person syndrome. Two transcript variants encoding different isoforms have been found for this gene
Molecular Mass	78.1 kDa
AA Sequence	MYSFNTLRLLYLWETIVFFSLAASKEAEAARSAPKPMSPSDFLDKLMGRTSGYDARIR PNFKGPPVNVSCNIFINSFGSIAETTMDYRVNIFLRQQWNDPRLAYNEYPPDDSLDLD PSMLDSIWKPDLFFANEKGAFHEITTDNKLLRISRNGNVLYSIRITLTLACPMDLKNF PMDVQTCIMQLESFGYTMNDLIFEWQEQQAVQVADGLTLPQFILKEEKDLRYCTKH YNTGKFTCIARFHLEQRQMGYYLIQMYIPSLILVLSWISFWINMDAAPARVGLGITTVL TMTTQSSGSRASLPKVSYYKAIDIWMAVCLLFVFSALLEYAAVNFVSRQHKELLRFR RKRRHHKEDEAGEGRFNFSAYGMGPACLQAKDGISVKGANNSNTTNPPAPSKSP EEMRKLFIQRAKKIDKISRIGFPM AFLIFNMFYWIIYKIVRREDVHNQ

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GLRA1 glycine receptor, alpha 1 [Homo sapiens]
Official Symbol	GLRA1
Synonyms	GLRA1; glycine receptor, alpha 1; glycine receptor, alpha 1 (startle disease/hyperekplexia), STHE; glycine receptor subunit alpha-1; startle disease/hyperekplexia; stiff person syndrome; glycine receptor 48 kDa subunit; glycine receptor strychnine-binding subunit; STHE; MGC138878; MGC138879;
Gene ID	2741
mRNA Refseq	NM_000171
Protein Refseq	NP_000162
MIM	138491
UniProt ID	P23415

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