

## Recombinant Human GLRA1 Protein, GST-tagged

Cat. No. GLRA1-4970H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human GLRA1 full-length ORF ( NP_000162.2, 1 a.a. - 449 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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
<b>Molecular Mass</b>	78.1 kDa
<b>AA Sequence</b>	<p>MYSFNTLRLLYLWETIVFFSLAASKEAEAARSAPKPMSPSDFLDKLMGRTSGYDARIR            PNFKGPPVNVSCNIFINSFGSIAETTMDYRVNIFLRQQWNPRLAYNEYPPDDSLDLD            PSMLDSIWKPDFFANEKGAHFHEITTDNKLLRISRNGNVLYSIRITLTLACPMDLKNF            PMDVQTCIMQLESFGYTMNDLIFEWQEQGAVQVADGLTLPQFILKEEKDLRYCTKH            YNTGKFTCIARFHLEQRMGYYLIQMYIPSLILVLSWISFWINMDAAPARVGLGITTVL            TMTTQSSGSRASLPKVSIVKAIWIWMAVCLLFVFSALLEYAAVNFVSRQHKELLRFR            RKRRHHKEDAGEGRFNFSAYGMGPAQLQAKDGISVKGANNSNTTNPPPAPSKSP            EEMRKLFIQRAKKIDKISRIGFPMAFLIFNMFYWIIYKIVRREDVHNQ</p>
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	GLRA1 glycine receptor, alpha 1 [ Homo sapiens ]
<b>Official Symbol</b>	GLRA1
<b>Synonyms</b>	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;
<b>Gene ID</b>	2741
<b>mRNA Refseq</b>	NM_000171
<b>Protein Refseq</b>	NP_000162
<b>MIM</b>	138491
<b>UniProt ID</b>	P23415

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