

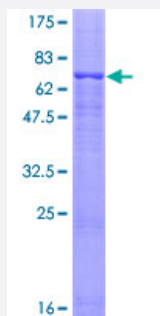
Full-Length

GLRA1 (Human) Recombinant Protein (P01)

Catalog # H00002741-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLRA1 full-length ORF (NP_000162.2, 1 a.a. - 449 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MYSFNTLRRLYLWETIVFFSLAASKEAEAARSAPKPMSPSDFLDKLMGRTSGYDARIRPNFKGPPV
NVSCNIFINSFGSIAETTM DYRVNIFLRQQWNDPRLAYNEYPDSDLDP SMLDSWKPD LFFANE
KGAHFHEITTDNKLLRISRNGNVLYSIRITLACPM DLKNFPM DVQTCIMQLESFGYTMNDLIFEWQ
EQGAVQVADGLTLPQFILKEEKDLRYCTKH YNTGKFTCI EARFHLERQM GYYLIQMYP SLLMILSWI
SFWINMDAAPARVGLGITT VLTMTTQSSGSRASLPKVS YVKAIDMMAVCLLFVFSALLEYAAVNF
VSRQHKELLRFRRKRRHHKED EAGEGRFNFSAYGMGPAC LQAKDGISVKGANN SNTTNPPPAP
SKSPEEMRKLFIQRAKKIDKISRIGFPM AFLIFNMFYWIYKVRREDVHNQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GLRA1

Entrez GeneID [2741](#)

GeneBank Accession# [NM_000171.2](#)

Protein Accession# [NP_000162.2](#)

Gene Name GLRA1

Gene Alias MGC138878, MGC138879, STHE

Gene Description glycine receptor, alpha 1

Omim ID [138491](#) [149400](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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

Other Designations OTTHUMP00000160616|glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)|startle disease/hyperekplexia|stiff person syndrome

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acute Disease](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Low Back Pain](#)
- [Mental Disorders](#)
- [Pain](#)
- [Sciatica](#)