

Product datasheet for **TP762425**

GLRB (NM_000824) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human glycine receptor, beta (GLRB), transcript variant 1, Met353-Lys471, with N-terminal His-ABP tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (Met353-Lys471) of GLRB
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	28.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	>80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000815
Locus ID:	2743
UniProt ID:	P48167
RefSeq Size:	3076
Cytogenetics:	4q32.1
RefSeq ORF:	1491
Synonyms:	HKPX2



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Summary:

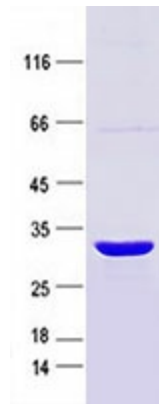
This gene encodes the beta subunit of the glycine receptor, which is a pentamer composed of alpha and beta subunits. The receptor functions as a neurotransmitter-gated ion channel, which produces hyperpolarization via increased chloride conductance due to the binding of glycine to the receptor. Mutations in this gene cause startle disease, also known as hereditary hyperekplexia or congenital stiff-person syndrome, a disease characterized by muscular rigidity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Protein Families:

Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Protein Pathways:

Neuroactive ligand-receptor interaction

Product images:

Purified recombinant protein GLRB was analyzed by SDS-PAGE gel and Coomassie Blue Staining.