PRODUCT INFORMATION

Tag	C-Flag Tag
Target	GLRB
Synonyms	HKPX2
Description	Human GLRB full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	P48167
Expression Host	HEK293
Protein Families	Ion Channels: Cys-loop Receptors
Protein Pathways	N/A
Molecular Weight	The human full length GLRB protein has a MW of 56.1kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated