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Product datasheet for RC228928L4V

GLRB (NM_001166060) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GLRB (NM_001166060) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GLRB
Synonyms:	HKPX2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001166060
ORF Size:	1491 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228928).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001166060.1, NP_001159532.1
RefSeq Size:	3059 bp
RefSeq ORF:	1494 bp
Locus ID:	2743
UniProt ID:	P48167
Cytogenetics:	4q32.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

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MW: 56.1 kDa

Gene 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]