

## **Product datasheet for TR312746**

## Product datasneet for 1K312/40

## **GLRB Human shRNA Plasmid Kit (Locus ID 2743)**

**Product data:** 

**Product Type:** shRNA Plasmids

**Product Name:** GLRB Human shRNA Plasmid Kit (Locus ID 2743)

Locus ID: 2743
Synonyms: HKPX2

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Puromycin

Selection: Format:

Retroviral plasmids

Components: GLRB - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

2743). 5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.

RefSeq: NM 000824, NM 001166060, NM 001166061, NM 000824.1, NM 000824.2, NM 000824.3,

NM 000824.4, NM 001166061.1, NM 001166060.1, BC032635, BC032635.1, BC022502

UniProt ID: P48167

**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

20091

shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To

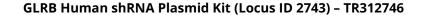
be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our <u>custom shRNA service</u>.



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## Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).