

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GLRB Peptide

Cat No.: BS5736P

Background

In the central nervous system (CNS), glycine-mediated inhibitory neurotransmission is essential to voluntary motor control and reflex responses. Glycine binds to glycine receptors (GlyR) in the postsynaptic neuronal membranes. GlyR, gamma-aminobutyric acid, serotonin and acetylcholine comprise an evolutionally conserved superfamily of ligand-gated ion channels. The pentameric subunit structure of GlyR consists of two types of glycosylated membrane proteins, alpha1 through alpha4 and beta, and an associated peripheral membrane protein, which combine to form a chloride-selective ion channel. In humans, the composition of the pentamer changes from 2 subunits in the fetal CNS to alpha1 and beta subunits in the adult CNS. Fast potentiation of GlyR by intracellular Ca²⁺ in the brainstem and midbrain indicate an important role for Ca²⁺ in modulation of glycinergic synapses.

Swiss-Prot

P48167

Applications

Blocking

Specificity

This peptide can be used with studies using BS5736 GLRB pAb.

Purification & Purity

Synthetic peptide GLRB. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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