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Product Information

MemDX™ Membrane Protein Human GLRB (Glycine receptor beta) Full Length

Cat. No.: **MPC0552K**
This product is for research use only and is not intended for diagnostic use.

This product is a 56.1 kDa Human GLRB membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
GLRB

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
56.1 kDa

TMD
4

Sequence
MKFLLTTAFLILISLWVEEAYSKEKSSKKGKGKKKQYLCPSQQSAEDLAR
VPANSTSNILNRLLVSYDPRIRPNFKGIPVDVVVNIFINSFGSIQETTMD
YRVNIFLRQKWNDPRLKLPSDFRGSDALTVDPTMYKCLWKPDLFFANEKS
ANFHDVTQENILLFIFRDGDVLVSMRLSITLSCPLDLTLFPMDTQRCKMQ
LESFGYTTDDLRFIWQSGDPVQLEKIALPQFDIKKEDIEYGNCTKYYKGT
GYYTCVEVIFTLRRQVGFYMMGVYAPTLLIVVLSWLSFWINPDASAARVP
LGIFSVLSLASECTTLAAELPKVSYVKALDVWLIACLLFGFASLVEYAVV
QVMLNNPKRVEAEKARIAKAEQADGKGGNVAKKNTVNGTGTPVHISTLQV
GETRCKKVCTSKSDLRSNDFSIVGSLPRDFELSNYDCYGKPIEVNNGLGK
SQAKNNKKPPPAKPVIPTAAKRIDLYARALFPFCFLFFNVIYWSIYL

Product Description

Expression Systems
HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

GLRB

Full Name

Glycine receptor beta

Introduction

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.

Alternative Names

HKPX2; glycine receptor subunit beta; glycine receptor 58 kDa subunit; glycine receptor, beta subunit; GLRB; Glycine receptor beta

Gene ID

2743

UniProt ID

P48167