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Product Information

MemDX™ Membrane Protein Human CNGB3 (Cyclic nucleotide gated channel subunit beta 3) Full Length

Cat. No.: **MPC1056K**
This product is for research use only and is not intended for diagnostic use.

This product is a 92.1 kDa Human CNGB3 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
CNGB3

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
92.1 kDa

TMD
6

Sequence
MFKSLTKVNKVKPIGENNENEQSSRRNEEGSHPSNQSQQTTAQEENKGEE
KSLKTKSTPVTSEEPHTNIQDKLSKKNSSGDLTTNPDPQNAAEPTGTVPE
QKEMDPGKEGPNSPQNKPPAAPVINEYADAQLHNLVKRMRQRTALYKKKL
VEGDLSSPEASPQTAKPTAVPPVKESDDKPTEHYYRLLWFKVKKMPLTEY
LKRIKLPNSIDSYTDRLYLLWLLLVTLAYNWNCCFIPLRLVFPYQTADNI
HYWLIADIICDIIYLYDMLFIQPRLQFVRGGDIIVDSNELRKHYRTSTKF
QLDVASIIPFDICYLFFGFNPMFRANRMLKYTSFFEFNHHLESIMDKAYI
YRVIRTTGYLLFILHINACVYYWASNYEGIGTTRWVYDGEGNEYLRCYYW
AVRTLITIGGLPEPQTLFEIVFQLLNFFSGVFVFSSLIGQMRDVIGAATA
NQNYFRACMDDTIAYMNNYSIPKLVQKRVRTWYEYTWDSQRMLDESDLLK
TLPTTVQLALAIDVNFSIISKVDLFKGCDTQMIYDMLLRLKSVLYLPGDF
VCKKGEIGKEMYIIKHGEVQVLGGPDGTKVLVTLKAGSVFGEISLLAAGG
GNRRTANVVAHGFANLLTLDKKTLQEILVHYPDSERILMKKARVLLKQKA
KTAEATPPRKDLALLFPPKEETPKLFKTLLGGTGKASLARLLKLKREQAA
QKKENSEGGEEEGKENEDKQKENEDKQKENEDKGKENEDKDKGREPEEKP
LDRPECTASPIAVEEEPHSVRRTVLPRGTSRQSLIISMAPSAEGGEEVLT
IEVKEKAKQ

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

CNGB3

Full Name

Cyclic nucleotide gated channel subunit beta 3

Introduction

This gene encodes the beta subunit of a cyclic nucleotide-gated ion channel. The encoded beta subunit appears to play a role in modulation of channel function in cone photoreceptors. This heterotetrameric channel is necessary for sensory transduction, and mutations in this gene have been associated with achromatopsia 3, progressive cone dystrophy, and juvenile macular degeneration, also known as Stargardt Disease.

Alternative Names

CNGB3; ACHM1; cyclic nucleotide-gated cation channel beta-3; CNG channel beta-3; cone photoreceptor cGMP-gated cation channel beta-subunit; cyclic nucleotide gated channel beta 3; cyclic nucleotide-gated cation channel modulatory subunit; Cyclic nucleotide gated channel subunit beta 3

Gene ID

54714

UniProt ID

Q9NQW8

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