

Product Information

MemDX™ Membrane Protein Human CNGA3 (Cyclic nucleotide gated channel subunit alpha

3) Full Length

Cat. No.: **MPC1053K**

This product is for research use only and is not intended for diagnostic use.

This product is a 78.8 kDa Human CNGA3 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

CNGA3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

78.8 kDa

TMD

6

Sequence

MAKINTQYSHPSRTHLKVKTSRDLNRAENGLSRAHSSSEETSSVLQPGI
AMETRGLADSGQGSFTGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPD
RFRGAELKEVSSQESNAQANVGSQEPADRGRSAWPLAKCNTNTSNNTTEE
KKTKKKDAIVDPSSNLYYRWLTAIALPVFYNWYLLICRACFDELQSEYL
MLWLVLVDYSADVLYVLDVLRARTGFLEQGLMVSDTNRLWQHYKTTTQFK
LDVLSLVPTDLAYLKVGNTYPEVRFNRLLKFSRLEFFDRTETRTNYPNM
FRIGNLVLYILIIHWNACIYFAISKFIGFGTDSWVYPNISIEHGRLSR
KYIYSLYWSTLTLTIGETPPPVKDEEYLFVVVDFLVGVLFATIVGNVG
SMISNMNASRAEFQAKIDSQYMQFRKVTKDLETRVIRWFDYLVWANKKT
VDEKVLKSLPDKLKAIEAINVHLDLTKKVRIFQDCEAGLLVELVLKLRP
TVFSPGDYICKKGDIGKEMYIINEGKLAVVADDGVTQFVVLSDGSYFGEI
SILNIKSGKSGNRRTANIRSIGYSDLFCLSKDDLMEALTEYPEAKKALEE
KGRQILMKDNLIDEELARAGADPKDLEEKVEQLGSSLDLQTRFARLLAE
YNATQMKMKQRLSQLESQVKGKGGDKPLADGEVPGDATKTEDKQQ

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

CNGA3

Full Name

Cyclic nucleotide gated channel subunit alpha 3

Introduction

This gene encodes a member of the cyclic nucleotide-gated cation channel protein family which is required for normal vision and olfactory signal transduction. Mutations in this gene are associated with achromatopsia (rod monochromacy) and color blindness. Two alternatively spliced transcripts encoding different isoforms have been described.

Alternative Names

CNGA3; CNG3; ACHM2; CCNC1; CCNCa; CNCG3; CCNCalpha; cyclic nucleotide-gated cation channel alpha-3; CNG channel alpha-3; CNG-3; cone photoreceptor cGMP-gated channel alpha subunit; cone photoreceptor cGMP-gated channel subunit alpha; cyclic nucleotide gated channel alpha 3; Cyclic nucleotide gated channel subunit alpha 3

Gene ID

[1261](#)

UniProt ID

[Q16281](#)