

# Product Information

## **MemDX™ Membrane Protein Human CNGA3 (Cyclic nucleotide gated channel subunit alpha 3) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX2037K**

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

This product is a Human CNGA3 membrane protein expressed *in vitro* E.coli expression system. 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

Ion channel, Transport

#### TMD

6

#### Sequence

MAKINTQYSHPSRTHLKVKTSRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGLADSGQGSFTGQGIARLSRLIFLLRRWAAR

### Product Description

#### Expression Systems

*in vitro* E.coli expression system

#### Tag

10xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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; 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](#)