

Recombinant Human CNGA3 Protein, GST-tagged

Cat. No. CNGA3-1557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CNGA3 full-length ORF (NP_001073347.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	103.3 kDa
AA Sequence	MAKINTQYSHPSRTHLKVKTSRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGL AD SGQGSFTGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPDRFRGAELKEVSSQ ESNAQANVGSQEPADRGRKKT KKKDAIVDPSSNLYRWLTAIALPVFYNWYLLIC RACFDELQSEYLMWLVLVDYSADVLYVLDVLRARTGFLEQGLMVSDTNRLWQHYK TTTQFKLDVLSLVPTDLAYLKVG TNYPEVRFNRLLKFSRLF EFFDR TETR TNYPNMF RIGNLVLYILIIHWNACIYFAISKFIGFGTDSWVYPNISIP EHGRLSRKYIYSLYWSTLTL TTIGETPPPVKDEEYLFVVVDFLVGV LIFATIVGNV GSMISNMNASRAEFQAKIDSIKQ YMQFRKVT KDLETRVIRWFDY LWANKKTVDEKEVLKSLPDKLKAEIAINVHLDTLKKV RIFQDCEAGLLVELVLKLRPTVFSPGDYICKKGDIGKEMYIINEGKLAVVADDGVTQF

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VVLSDGSYFGEISILNIKGSKSGNRRTANIRSIGYSDLFCLSKDDLMEALTEYPEAKKA
 LEEKGRQILMKDNLIDEELARAGADPKDLEEKVEQLGSSLDLTLQTRFARLLAEYNAT
 QMKMKQRLSQLESQVKGGGDKPLADGEVPGDATKTEDKQQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CNGA3 cyclic nucleotide gated channel alpha 3 [Homo sapiens]

Official Symbol

CNGA3

Synonyms

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

Gene ID

1261

mRNA Refseq

NM_001079878

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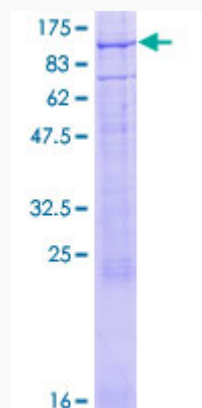
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Protein Refseq NP_001073347

MIM 600053

UniProt ID Q16281

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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