

Recombinant Full Length Human CNGA3 Protein, GST-tagged

Cat. No. CNGA3-1920HF **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	In Vitro Cell Free System
ProteinLength	676 amino acids
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	MAKINTQYSHPSRTHLKVKTSDDRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGL AD SGQGSFTGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPDRFRGAELKEVSSQ ESNAQANVGSQEPADRGRRKTKKKDAIVDPSSNLYRWLTAIALPVFYNWYLLIC RACFDELQSEYLMWLVLVDYSADVLYVLDVLRARTGFLEQGLMVSDTNRLWQHYP TTTQFKLDVLSLVPTDLAYLKVGNTYPEVRFNRLLKFSRLFEFFDRTE TRTNYPNMF RIGNLVLYILIIHWNACIYFAISKFIGFGTDSWVYPNISPEHGRLSRKYIYSLYWSTLT TTIGETPPPVKDEEYLFVVVDFLVGVLFATIVGNVGS MISNMNASRAEFQAKIDSIKQ YMQFRKVT KDLETRVIRWFDYLVWANKKTVDEKEVLKSLPDKLKAEIAINVHLDTLKKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RIFQDCEAGLLVELVLKLRPTVFSPGDYICKKGDIGKEMYIINEGKLAVVADDGVTQF
 VVLSDGSYFGEISILNIKGSKSGNRRRTANIRSIGYSDFCLSKDDLMEALTEYPEAKKA
 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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Protein Refseq	NP_001073347
MIM	600053
UniProt ID	Q16281

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