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	MAKINTQYSHPSRTHLKVKTSDRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGL ADSGQGSFTGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPDRFRGAELKEVSSQ ESNAQANVGSQEPADRGRRKKTKKKDAIVVDPSSNLYYRWLTAIALPVFYNWYLLIC RACFDELQSEYLMLWLVLDYSADVLYVLDVLVRARTGFLEQGLMVSDTNRLWQHYK TTTQFKLDVLSLVPTDLAYLKVGTNYPEVRFNRLLKFSRLFEFFDRTETRTNYPNMF RIGNLVLYILIIIHWNACIYFAISKFIGFGTDSWVYPNISIPEHGRLSRKYIYSLYWSTLTL TTIGETPPPVKDEEYLFVVVDFLVGVLIFATIVGNVGSMISNMNASRAEFQAKIDSIKQ YMQFRKVTKDLETRVIRWFDYLWANKKTVDEKEVLKSLPDKLKAEIAINVHLDTLKKV

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 VVLSDGSYFGEISILNIKGSKSGNRRTANIRSIGYSDLFCLSKDDLMEALTEYPEAKKA LEEKGRQILMKDNLIDEELARAGADPKDLEEKVEQLGSSLDTLQTRFARLLAEYNAT 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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