

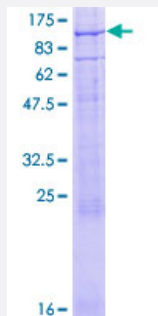
Full-Length

CNGA3 (Human) Recombinant Protein (P01)

Catalog # H00001261-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CNGA3 full-length ORF (NP_001073347.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAKINTQYSHPSRTHLKVKTSRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGLADSGQGSF
TGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPDRFRGAELKEVSSQESNAQANVGSQEPADR
GRRKKTKKKDAIVDPSSNLYRWLTALP VFYNWYLLICRACFDELQSEYLMWL VLDYSADVL
YVLDVLVRARTGFLEQGLMVSDTNRLWQHYKTTTQFKLDVLSLVPTDLAYLKVG TNYPEVRFNRL
LKFSRLF EFFDRTE TRTNYPNMFRIGNLVLYLIIHWNACMYFAISKFIGFGTDSWVYPNIS IPEHGRLS
RKYIYSLYWSTLTLTTIGETPPPVKDEEYLFVVVD FLVGVLFATVGNV GSMISNMNASRAEFQAKID
SIKQYMQFRKVTKDLETRVIRWFDYLWANKKT VDEKEVLKSLPDKLKAEIINVHLDTLKKVRIFQD
CEAGLLVELVLKLRPTVFSPGDYICKKGDIGKEMYIINEGKLAVVADDGVTQFVVLSDGSYFGEISIL
NIKGSKSGNRRRTANIRSIGYSDLFCLSKDDLMEALTEYPEAKKALEEKGRQILMKDNLIDEELARAG
ADPKDLEEKVEQLGSSLDTLQTRFARLLAEYNATQMKMKQRLSQLESQVKGGGDKPLADGEVP
GDATKTEDKQQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

103.3

Interspecies Antigen Sequence

Mouse (82); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CNGA3

Entrez GeneID	1261
GeneBank Accession#	NM_001079878.1
Protein Accession#	NP_001073347.1
Gene Name	CNGA3
Gene Alias	ACHM2, CCNC1, CCNCA, CCNCalpha, CNCG3, CNG3
Gene Description	cyclic nucleotide gated channel alpha 3
Omim ID	216900 600053
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000161120 cone photoreceptor cGMP-gated channel alpha subunit

Pathway

- [Olfactory transduction](#)

Disease

- [Color Vision](#)
- [Color Vision Defects](#)
- [Retinal Degeneration](#)
- [Retinal Diseases](#)