

## Recombinant Human CNGA3 Protein, GST-tagged

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human CNGA3 full-length ORF ( NP_001073347.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Wheat Germ  |
| <b>Description</b>      | 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]   |
| <b>Molecular Mass</b>   | 103.3 kDa   |
| <b>AA Sequence</b>      | MAKINTQYSHPSRTHLKVKTSRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGL<br>ADSGQGSFTGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPDRFRGAELKEVSSQ<br>ESNAQANVGSQEPADRGRRKTKKKDAIVDPSSNLYRWLTAIALPVFYNWYLLIC<br>RACFDELQSEYLMWLVDYSADVLYVLDVLRARTGFLEQGLMVSDTNRLWQHVK<br>TTTQFKLDVLSLVPTDLAYLKVGTNYPEVRFNRLLKFSRLFEEFFDRTE TRTNYPNMF<br>RIGNLVLYILIIHWNACIYFAISKFIGFGTDSWVYPNISIPEHGRLSRKYIYSLYWSTLTL<br>TTIGETPPPVKDEEYLFVVVDFLVGVLFATIVGNVGSISMNMNASRAEFQAKIDSIKQ<br>YMQFRKVTKDLETRVIRWFDYLWANKKTVDEKEVLKSLPKLKAIEIAINVHLDTLKKV<br>RIFQDCEAGLLVELVCLKRPTVFSPGDYICKKGDIGKEMYIINEGKLAVVADDGVTQF |

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

VVLSDGSYFGEISILNIKGSKSGNRRTANIRSIGYSDFCLSKDDLMEALTEYPEAKKA  
 LEEKGRQILMKDNLIDEELARAGADPKDLEEKVEQLGSSLDTLQTRFARLLAEYNAT  
 QMKMKQRLSQLESQVKGGGDKPLADGEVPGDATKTEDKQQ

|                       |   |
|-----------------------|---|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.  |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">CNGA3 cyclic nucleotide gated channel alpha 3 [ Homo sapiens ]</a>  |
| <b>Official Symbol</b> | <a href="#">CNGA3</a>   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | <a href="#">1261</a>  |
| <b>mRNA Refseq</b>     | <a href="#">NM_001079878</a>  |

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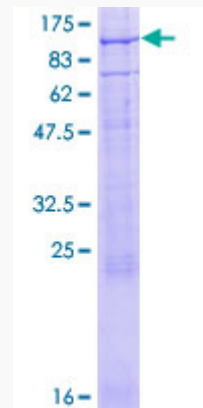
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Protein Refseq NP\_001073347

MIM 600053

UniProt ID Q16281

Quality Control  
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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