Recombinant Human CNGA3, His-tagged

Cat. No. CNGA3-11377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNGA3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	590-694a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CNGA3 cyclic nucleotide gated channel alpha 3 [Homo sapiens]

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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
Protein Refseq	NP_001073347
MIM	600053
UniProt ID	Q16281
Chromosome Location	2q11.2
Pathway	Olfactory transduction, organism-specific biosystem; Olfactory transduction, conserved biosystem; Visual signal transduction: Cones, organism-specific biosystem;
Function	cGMP binding; intracellular cyclic nucleotide activated cation channel activity; ion channel activity; ligand-gated ion channel activity; nucleotide binding;

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