

Recombinant Full Length Human Cyclic Nucleotide-Gated Cation Channel Alpha-3(Cnga3) Protein, His-Tagged

Cat. No. RFL9350HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Cyclic nucleotide-gated cation channel alpha-3(CNGA3) Protein (Q16281) (1-694aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-694)
Form	Lyophilized powder
AA Sequence	MAKINTQYSHPSRTHLKVKTSRDLNRAENGLSRAHSSSEETSSVLQPGIAMETRGL ADS GQGSFTGQGIARLSRLIFLLRRWAARHVHHQDQGPDSFPDRFRGAELKEVSS QESNAQAN VGSQEPADRGRSAWPLAKCNTNTSNNTSEEEKTKKKDAIVVDPSSNL YYRWLTALPVPF YNWYLLICRACFDELQSEYLMWLVLVDYSADVLYVLDVLRART GFLEQGLMVSDTNRLW QHYKTTTQFKLDVLSLVPTDLAYLKVGTYNYPEVRFNRLLK FSRLFEEFDRTETRTNYPNM FRIGNLVLYILIIHWNACIYFAISKFIGFGTDSWVYPNI SIPEHGRLSRKYIYSLYWST LTLTTIGETPPPVKDEEYLFVVVDFLVGVLFATIVGNV GSMISNMNASRAEFQAKIDSI KQYMQFRKVTKDLETRVIRWFDYLVWANKKTVDKEE VLKSLPDKLKAEIAINVHLDLTKKV RIFQDCEAGLLVELVLKLRPTVFSPGDYICKKGD IGKEMYIINEGKLAVVADDGVTQFVV LSDGSYFGEISILNIKGSKSGNRRTANIRSIGY SDFCLSKDDLMEALTEYPEAKKALEE KGRQILMKDNLIDEELARAGADPKDLEEKV

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	EQLGSSLDLQTRFARLLAEYNATQMCMKQ RLSQLESQVKGGGDKPLADGEVPGD ATKTEDKQQ
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	CNGA3
Synonyms	CNGA3; CNCG3; Cyclic nucleotide-gated cation channel alpha-3; Cone photoreceptor cGMP-gated channel subunit alpha; Cyclic nucleotide-gated channel alpha-3; CNG channel alpha-3; CNG-3; CNG3
UniProt ID	Q16281