

Recombinant Human CNGA1 293 Cell Lysate

Cat. No. CNGA1-7412HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cyclic nucleotide gated channel alpha 1 (CNGA1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CNGA1 cyclic nucleotide gated channel alpha 1 [Homo sapiens]

Official Symbol

CNGA1

Synonyms

CNGA1; cyclic nucleotide gated channel alpha 1; CNCG, CNCG1; cGMP-gated cation channel alpha-1; CNG1; RCNC1; RCNCa; CNG-1; CNG channel alpha-1; interleukin-1 homologue; cyclic nucleotide-gated channel alpha-1; cyclic nucleotide-gated cation channel 1; cyclic nucleotide-gated channel, photoreceptor; rod photoreceptor cGMP-gated channel subunit alpha; CNCG; RP49; CNCG1; RCNCalpha;

Gene ID

1259

mRNA Refseq

NM_000087

Protein Refseq

NP_000078

MIM

123825

UniProt ID

P29973

Chromosome Location

4p12

Pathway

Phototransduction, organism-specific biosystem; Phototransduction, conserved

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biosystem; Visual signal transduction: Rods, organism-specific biosystem;

Function

cGMP binding; ion channel activity; nucleotide binding;

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