

Recombinant Human GUCA1A Protein, MYC/DDK-tagged

Cat. No. GUCA1A-2549H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCA1A protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that plays a role in the recovery of retinal photoreceptors from photobleaching. This enzyme promotes the activity of retinal guanylyl cyclase-1 (GC1) at low calcium concentrations and inhibits GC1 at high calcium concentrations. Mutations in this gene can cause cone dystrophy 3 and code-rod dystrophy 14. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	22.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	GUCA1A guanylate cyclase activator 1A (retina) [Homo sapiens]
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Official Symbol	GUCA1A
Synonyms	C6orf131; COD3; CORD14; GCAP; GCAP1; GUCA; GUCA1
Gene ID	2978
mRNA Refseq	NM_000409
Protein Refseq	NP_000400
MIM	600364
UniProt ID	P43080

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