

## Recombinant Human GUCA1B Protein, His-tagged

Cat. No. GUCA1B-808H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GUCA1B fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a calcium-binding protein that activates photoreceptor guanylate cyclases. This gene may have arisen due to a gene duplication event since there is a highly similar gene clustered with it on chromosome 6. Mutations in this gene can cause a form of retinitis pigmentosa.
<b>Form</b>	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
<b>Molecular Mass</b>	23.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	GUCA1B guanylate cyclase activator 1B (retina) [ Homo sapiens ]
<b>Official Symbol</b>	GUCA1B

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



<b>Synonyms</b>	GUCA1B; guanylate cyclase activator 1B (retina); guanylyl cyclase-activating protein 2; GCAP2; GCAP 2; guanylate cyclase-activating protein, photoreceptor 2; RP48; GUCA2; DKFZp686E1183;
<b>Gene ID</b>	<a href="#">2979</a>
<b>mRNA Refseq</b>	<a href="#">NM_002098</a>
<b>Protein Refseq</b>	<a href="#">NP_002089</a>
<b>MIM</b>	<a href="#">602275</a>
<b>UniProt ID</b>	<a href="#">Q9UMX6</a>

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