

## Product datasheet for **TP760676**

### GCAP2 (GUCA1B) (NM\_002098) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human guanylate cyclase activator 1B (retina) (GUCA1B), with N-terminal HIS tag, expressed in E.Coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length GUCA1B
Tag:	N-His
Predicted MW:	23.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002089</a>
Locus ID:	2979
UniProt ID:	<a href="#">Q9UMX6</a> , <a href="#">Q7Z3V9</a>
RefSeq Size:	2288
Cytogenetics:	6p21.1
RefSeq ORF:	600
Synonyms:	GCAP 2; GCAP2; GUCA2; RP48



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**Summary:**

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. [provided by RefSeq, Nov 2009]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Olfactory transduction

**Product images:**