

Product datasheet for **TP761606**

GCAP3 (GUCA1C) (NM_005459) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human guanylate cyclase activator 1C (GUCA1C), full length, with N-terminal GST and C-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 GUCA1C
Tag:	N-GST and C-His
Predicted MW:	51.6 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:	NP_005450
Locus ID:	9626
UniProt ID:	O95843
RefSeq Size:	925
Cytogenetics:	3q13.13
RefSeq ORF:	627
Synonyms:	GCAP3



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Summary:

Stimulates guanylyl cyclase 1 (GC1) and GC2 when free calcium ions concentration is low and inhibits guanylyl cyclases when free calcium ions concentration is elevated. This Ca(2+)-sensitive regulation of guanylyl cyclase (GC) is a key event in recovery of the dark state of rod photoreceptors following light exposure.[UniProtKB/Swiss-Prot Function]

Protein Pathways:

Olfactory transduction

Product images: