

Product datasheet for **TP500368**

Guca2b (NM_008191) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse guanylate cyclase activator 2b (retina) (Guca2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200368 protein sequence Red =Cloning site Green =Tags(s)
	MSRSQLWAAWVLLLLLQSAQGVYIKYHGFQVQLESVKKLNELEEKEMSNPQPRRSGLLPAVCHNPALPLD LQVPCASQEAASTFKALRTIATDECELCINVACTGC
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	11.6 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, 100 mM glycine, pH 7.3, 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 after receiving vials.
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:	<u>NP_032217</u>
Locus ID:	14916
UniProt ID:	<u>O09051</u> , <u>Q9QUQ3</u>
RefSeq Size:	602
Cytogenetics:	4 55.48 cM
RefSeq ORF:	321



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Synonyms: AV066530; Gca; Gcap2; Ugn; urog

Summary: This gene encodes a member of the guanylin family and preproprotein that is proteolytically processed to generate a mature protein product. The mature protein product, known as uroguanylin, is an endogenous ligand for the guanylate cyclase-C receptor and may regulate salt and water homeostasis in the intestine and kidneys. Homozygous knockout mice for this gene exhibit impaired sodium chloride excretion and elevated arterial pressure. This gene is present in a gene cluster with a related guanylin family member on chromosome 4. [provided by RefSeq, Sep 2015]