

## Product datasheet for **TP509386**

### Gucy1b1 (NM\_001161796) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse guanylate cyclase 1, soluble, beta 1 (Gucy1b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209386 representing NM_001161796 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MYGFVNHALELLVIRNYGPEVWEDIKKEAQLDEEGQFLVRIIYDDSKTYDLVAAASKVLNLNAGEILQMF  
GKMFFVFCQESGYDTILRVLGSNVREFLQNLDALHDHLATIYPGMRAPSRCTDAEKGKGLILHYISERE  
GLQDIVIGIIKTVAQQIHGTEIDMKVIQQRNEECDHTQFLIEEKESKEEDFYEDLDRFEENGQTQESRISP  
YTFCKAFPFFHIIIFDRNLVVTQCGNAIYRVLPLQPGNCSSLVSVLVRPHIDISFHGILSHINTVFLRS  
KEGLLDVEKLECEDELTAEISCLRLKGMIIYLPEADSILFLCSPSVMNLDLRRGLYLSDIPLHDATR  
DLVLLGEQFREEYKLTQELEILTDRLQLTLRALEDEKKTDTLLYSVLPPSVANELRHKRVPVPAKRYDNDV  
TILFSGIVGFNAFCSKHASGEGAMKIVNLLNDLYTRFDLTLDSRKNPFVYKVETVGDKYMTVSGLPEPCI  
HHARSICHLALDMMEIAGQVQVDGESVQITIGIHTGEVTVGVIGQRMPRYCLFGNTVNLTSRTETTGEKG  
KINVSEYTYRKLGVSTVPGAQRPSVYEGQEGTNASLVPIQEKYRHGGNK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	69.4 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.



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RefSeq: [NP\\_001155268](#)  
Locus ID: 54195  
UniProt ID: [Q80YP4](#)  
RefSeq Size: 3234  
Cytogenetics: 3 E3  
RefSeq ORF: 1827  
Synonyms: GC-S-beta-1; GCbeta1; Gucy1b3  
Summary: Mediates responses to nitric oxide (NO) by catalyzing the biosynthesis of the signaling molecule cGMP.[UniProtKB/Swiss-Prot Function]