

## Product datasheet for TP513022

### Cgas (NM\_173386) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cyclic GMP-AMP synthase (Cgas), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR213022 protein sequence Red=Cloning site Green=Tags(s)
	<p>MEDPRRRTTAPRAKKPSAKRAPTQPSRTRAHAESCQPQRGARSRAERDGDGDTTEKPRAPGPRVHPARATE            LTKDAQPSAMDAAGATARPAVRVPQQQAILDPELPAVREPQPPADPEARQVVRGSPSHRRGARSTGQPRAP            RGRSRKEPDKLKKVLDKLRKRDISEAAETVNVKVERLLRRMQKRESEFKGVEQLNTGSYYEHVKISAPN            EFDVMFKLEVPRIELQEYYETGAFYLVKFKRIPRGNPLSHFLEGEVLSATKMLSFRKIIKEEVKEIKDI            DVSVEKEKPGSPAVTLLIRNPEEISVDIILALESKGSWPISTKEGLPIQGWLGTKVRTNLRREPFYLVPK            NAKDGNFSQGETWRLSFSHTEKYILNNHGIEKTCCCESSGAKCCRKECLKMKYLLEQLKKEFQELDAFCS            YHVKTAIFHMWTQDPQDSQWDPRNLSSCFDKLLAFFLECLRTEKLDHYFIPKFNLFSQLIDRKSKEFLS            KKIEYERNNGFPIFDKL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	58.2 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, 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:	<a href="#">NP_775562</a>



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Locus ID: 214763

UniProt ID: [Q8C6L5](#), [Q8BSY1](#)

RefSeq Size: 4090

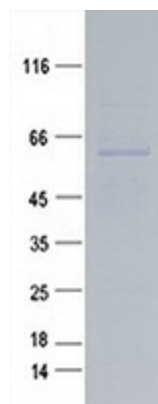
Cytogenetics: 9 E1

RefSeq ORF: 1524

Synonyms: E330016A19Rik; Mb21d1

**Summary:** The protein encoded by this gene is a DNA binding cytosolic protein that catalyzes the synthesis of cyclic guanosine monophosphate-adenosine monophosphate (cGAMP) after sensing the presence of DNA in the cytoplasm. cGAMP binds another protein, Stimulator of interferon genes (STING), leading to the induction of interferons, and a host immune response. Reduced expression of this gene inhibits interferon induction in the presence of some viral infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

### Product images:



Purified recombinant protein Cgas was analyzed by SDS-PAGE gel and Coomassie Blue Staining.