

Recombinant Mouse Cgas Protein, Myc/DDK-tagged

Cat. No. Cgas-2132M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cyclic GMP-AMP synthase (Cgas), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	58.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Cgas cyclic GMP-AMP synthase [*Mus musculus* (house mouse)]

Official Symbol Cgas

Synonyms Cgas; cyclic GMP-AMP synthase; Mb21d1; E330016A19Rik; cyclic GMP-AMP synthase; 2'3'-cGAMP synthase; Mab-21 domain containing 1; cGAMP synthase; mab-21 domain-containing protein 1; EC 2.7.7.86

Gene ID 214763

mRNA Refseq NM_173386

Protein Refseq NP_775562

UniProt ID Q8C6L5

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