

Recombinant Human CGAS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CGAS-6581H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

C6orf150 MS Standard C13 and N15-labeled recombinant protein (NP_612450) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

CGAS (Cyclic GMP-AMP Synthase) is a Protein Coding gene. Diseases associated with CGAS include Herpes Simplex and Sting-Associated Vasculopathy With Onset In Infancy. Among its related pathways are Shigellosis and Cytosolic sensors of pathogen-associated DNA. An important paralog of this gene is ITPRIPL2.

Molecular Mass

58.9 kDa

AA Sequence

MQPWHGKAMQRASEAGATAPKASARNARGAPMDPNESPAAPEAALPKAGKFGPA
 RKSGSRQKKSAPDTQERPPVRATGARAKKAPQRAQDTQPSDATSAPGAEGLEPPA
 AREPALSRRAGSCRQRGARCSTKPRPPPGPVDVPSGLPVSAPILVRRDAAPGASK
 LRAVLEKLLSRDDISTAAGMVKGVVDHLLRLKCDSAFRGVLLNTGSYYEHVKISA
 PNEFDVMFKLEVPRIQLEEYSNTRAYYFVKFKRNPKENHLSQFLEGEILSASKMLSKF
 RKIIKEEINDIKDTDVIMKRKRGGSPAVTLLISEKISVDITLALESKSSWPASTQEGLRIQ
 NWLSAKVRKQLRLKPFYLVPKHAKENGFGQETWRLSFSHIEKEILNNHGKSKTCC
 ENKEEKCCRKDKLKMKYLLQLKERFKDKKHLDFSSYHVKTAFHVCTQNPQDS
 QWDRKDLGLCFDNCVYFLQCLRTEKLENYFIPEFNLFSSNLIDKRSKEFLTKQIEYE

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RNNEFPVFDEFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CGAS cyclic GMP-AMP synthase [Homo sapiens (human)]

Official Symbol CGAS

Synonyms CGAS; cyclic GMP-AMP synthase; MB21D1; h-cGAS; C6orf150; cyclic GMP-AMP synthase; 2'3'-cGAMP synthase; Mab-21 domain containing 1; cGAMP synthase; mab-21 domain-containing protein 1; protein MB21D1; EC 2.7.7.86

Gene ID 115004

mRNA Refseq NM_138441

Protein Refseq NP_612450

MIM 613973

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UniProt ID

Q8N884

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