

Recombinant Mouse Mb21d1 protein, His & T7-tagged

Cat. No. Mb21d1-1625M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mb21d1 aa. (Glu211~Lys395 (Accession # Q8C6L5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Glu211~Lys395
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.4

GENE INFORMATION

Gene Name	Mb21d1 Mab-21 domain containing 1 [Mus musculus (house mouse)]
Official Symbol	Mb21d1
Synonyms	Mb21d1; Mab-21 domain containing 1; cGAS; E330016A19Rik; cyclic GMP-AMP synthase; 2'3'-cGAMP synthase; cGAMP synthase; mab-21 domain-containing protein 1
Gene ID	214763
mRNA Refseq	NM_173386.5
Protein Refseq	NP_775562.2

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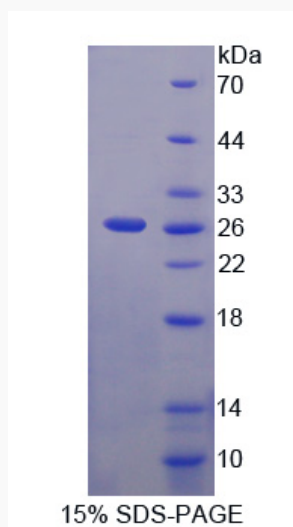
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UniProt ID

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SDS-PAGE

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