

Recombinant Human C6orf150 293 Cell Lysate

Cat. No. MB21D1-7994HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for chromosome 6 open reading frame 150 (C6orf150) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MB21D1?Mab-21 domain containing 1 [?Homo sapiens?(human)]
Official Symbol	MB21D1
Synonyms	MB21D1; Mab-21 domain containing 1; cGAS; h-cGAS; C6orf150; cyclic GMP-AMP synthase; cGAMP synthase; protein MB21D1; mab-21 domain-containing protein 1; NP_612450.2; EC 2.7.7.86
Gene ID	115004
mRNA Refseq	NM_138441
Protein Refseq	NP_612450
MIM	613973
UniProt ID	Q8N884
Chromosome Location	6q13
Pathway	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; Immune System, organism-specific biosystem

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Function

ATP binding; DNA binding; GTP binding; cyclic-GMP-AMP synthase activity; metal ion binding

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