

Recombinant Mouse Cnep1r1 Protein, Myc/DDK-tagged

Cat. No. Cnep1r1-2216M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length CTD nuclear envelope phosphatase 1 regulatory subunit 1 (Cnep1r1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Forms with the serine/threonine protein phosphatase CTDNEP1 an active complex which dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol.
Molecular Mass	14.3 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Cnep1r1 CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Mus musculus (house mouse)]

Official Symbol Cnep1r1

Synonyms Cnep1r1; CTD nuclear envelope phosphatase 1 regulatory subunit 1; NEP1-R1; Tmem188; 5033428A16Rik; nuclear envelope phosphatase-regulatory subunit 1; transmembrane protein 188

Gene ID 382030

mRNA Refseq NM_029074

Protein Refseq NP_083350

UniProt ID Q3UJ81

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