

Recombinant Human MTOR protein, His & T7-tagged

Cat. No. MTOR-1820H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTOR aa. (Ala2226~Val2488 (Accession # P42345)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2226~Val2488
Description	The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.7kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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.

GENE INFORMATION

Gene Name	MTOR mechanistic target of rapamycin [Homo sapiens (human)]
Official Symbol	MTOR
Synonyms	AGL; amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase; GDE; glycogen debranching enzyme; amylo-1, 6-glucosidase, 4-alpha-glucanotransferase; amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferaseprovided; glycogen debrancher; glycogen debranching protein
Gene ID	2475
mRNA Refseq	NM_004958.3

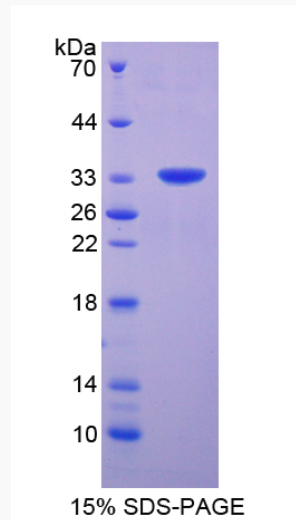
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Protein Refseq NP_004949.1

UniProt ID P42345



SDS-PAGE

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