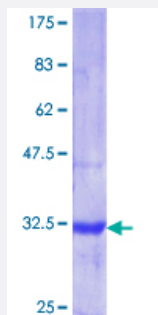


RPTOR (Human) Recombinant Protein (Q01)

Catalog # H00057521-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RPTOR partial ORF (NP_065812.1, 1226 a.a. - 1335 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HIVSVSVNGDVRIFDPRMPESVNVLQVKGLTALDIHPQADLIACGSVNQFTAMNSSGELINNIKYDGFMGQRVGAISCLAFHPHWPFLAVGSNDYYISVYSVEKRV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPTOR

Entrez GeneID [57521](#)

GeneBank Accession# [NM_020761](#)

Protein Accession# [NP_065812.1](#)

Gene Name RPTOR

Gene Alias KOG1, Mip1

Gene Description regulatory associated protein of MTOR, complex 1

Omim ID [607130](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats|regulatory associated protein of mTOR

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)