Recombinant Full Length Human RPTOR Protein

Cat. No. RPTOR-448HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Raptor with proprietary tag; Predicted MWt 67.76 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	379 amino acids
Description	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.
Form	Liquid
Molecular Mass	67.760kDa inclusive of tags
AA Sequence	MESEMLQSPLLGLGEEDEADLTDWNLPLAFMKKRHCEKIEGSKSLAQSWRMKDRM KTVSVALVLCLNVGVDPPDVVKTTPCARLECWIDPLSMGPQKALETIGANLQKQYEN WQPRARYKQSLDPTVDEVKKLCTSLRRNAKEERVLFHYNGHGVPRPTVNGEVWVF NKNYTQYIPLSIYDLQTWMGSPSIFVYDCSNAGLIVKSFKQFALQREQELEVAAINPN

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	HPLAQMPLPPSMKNCIQLAACEATELLPMIPDLPADLFTSCLTTPIKIALRWFCMQKC VSLVPGVTLDLIEKIPGRLNDRRTPLGELNWIFTAITDTIAWNVLPRDLFQKLFRQDLL VASLFRNFLLAERIMRSYNCTPVSSPRLPPTYMHAMW
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	RPTOR regulatory associated protein of MTOR, complex 1 [Homo sapiens]
Official Symbol	RPTOR
Synonyms	RPTOR; regulatory associated protein of MTOR, complex 1; regulatory-associated protein of mTOR; KIAA1303; KOG1; Mip1; raptor; regulatory associated protein of Mtor
Gene ID	57521
mRNA Refseq	NM_001163034
Protein Refseq	NP_001156506
MIM	607130
UniProt ID	Q8N122

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