

Active Recombinant Full Length Human MTOR Protein, Flag tagged

Cat. No. MTOR-4805HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human FK506 binding protein 12-rapamycin associated protein 1 (FRAP1/MTOR) with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-2549 aa
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	288.7 kDa
AASequence	MLGTGPAAATTAATTSSNVSVLQQFASGLKSRNEETRAKAAKELQHYVTMELREMS QEESTRFYDQLNHHIFELVSSSDANERKGGILAIASLIGVEGGNATRIGRFANYLRNLL PSNDPVVMEMASKAIGRLAMAGDTFTAIEYVEFEVKRALEWLGADRNEGRRHA AVL VLRELAISVPTFFFQVQPFFDNIFAVWDPKQAIREGAVAALRACLILTTQREP KEM QKPQWYRHTFEEAEKGFDETLAKEKGMNRDDRIHGALLILNELVRISMEGERLREE MEEITQQQLVHDKYCKDLMGFGTKPRHITPFTSFQAVQPQQSNALVGLLGYSSHQG LMGFGTSPSPAKSTLVESRCCRDLMEEKFDQVCQWVLKCRNSKNSLIQMTILNLLP RLAAFRPSAFTDTQYLQDTMNHVLSVCVKEKERTAAFQALGLLSVAVRSEFKVYLPR VLDIIRAALPPKDFAHKRQKAMQVDATVFTCISMLARAMGPGIQQDIKELLEPMLAVG LSPALTAVLYDL SRQIPQLKKDIQDGLLKMLSLVLMHKPLRHPGMPKGLAHQLASPG LTTLPEASDVGSITLALRTLGSFEFEGHSLTQFVRHCADHFLNSEHKEIRMEAARTCS

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RLLTPSIHLISGHAHVVSQTAVQVADVLSKLLVVGITDPDPDIRYCVLASLDERFDAH
LAQAENLQALFVALNDQVFEIRELAICTVGRLLSSMNPFAFVMPFLRKMLIQILTELEHSG
IGRIKEQSARMLGHLVSNAPRLIRPYMEPILKALILKLKDPDPDPNPGVINNVLATIGEL
AQVSGLEMRKWVDELFIIMDMLQDSSLLAKRQVALWTLGQLVASTGYVVEPYRKYP
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FIFKSLGLKCVQFLPQVMPTFLNVIRVCDGAIREFLFQQLGMLVSFVKSHIRPYMDEIV
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MLDRLSGKILHIDFGDCFEVAMTREKFPEKIPFRLTRMLTNAMEVTGLDGNRITCHT
VMEVLREHKDSVMVLEAFVYDPLLNWRLMDTNTKGNKRSRTRTDSYSAGQSVEIL
DGVELGEPAHKKTGTTVPESIHFIGDGLVKPEALNKKAIQIINRVRDKLTGRDFSHT
DTLDVPTQVELLIKQATSHENLCQCYIGWCPFWTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration > 0.1 µg/µL as determined by microplate BCA method

Shipping Dry Ice

GENE INFORMATION

Gene Name MTOR mechanistic target of rapamycin (serine/threonine kinase) [Homo sapiens (human)]

Official Symbol MTOR

Synonyms MTOR; mechanistic target of rapamycin (serine/threonine kinase); FK506 binding protein 12 rapamycin associated protein 1, FRAP, FRAP1, FRAP2; serine/threonine-protein kinase mTOR; dJ576K7.1 (FK506 binding protein 12 rapamycin associated protein 1); FK506 binding protein 12 rapamycin associated protein 2; FKBP rapamycin associated protein; FKBP12 rapamycin complex associated protein 1; FLJ44809; mammalian target of rapamycin; RAFT1; rapamycin and FKBP12 target 1;

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rapamycin associated protein FRAP2; rapamycin target protein; RAPT1; rapamycin target protein 1; FKBP-rapamycin associated protein; FKBP12-rapamycin complex-associated protein 1; FK506 binding protein 12-rapamycin associated protein 1; FK506 binding protein 12-rapamycin associated protein 2; FK506-binding protein 12-rapamycin complex-associated protein 1; FRAP; FRAP1; FRAP2;

Gene ID 2475

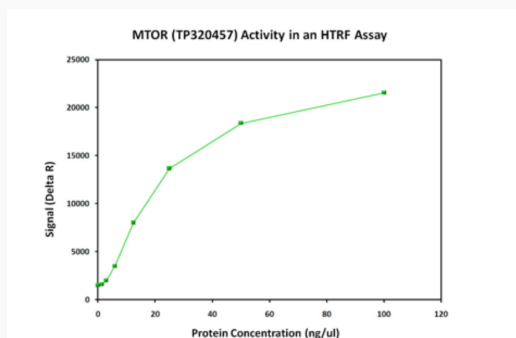
mRNA Refseq NM_004958

Protein Refseq NP_004949

MIM 601231

UniProt ID P42345

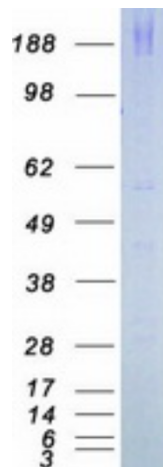
Activity



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SDS-PAGE

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