

Recombinant Human TPR, His-tagged

Cat. No. TPR-30424TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 69-668 of Human TPR with N terminal His tag. MWt: 69 kDa;
Species	Human
Source	E.coli
ProteinLength	69-668 a.a.
Description	This gene encodes a large coiled-coil protein that forms intranuclear filaments attached to the inner surface of nuclear pore complexes (NPCs). The protein directly interacts with several components of the NPC. It is required for the nuclear export of mRNAs and some proteins. Oncogenic fusions of the 5 end of this gene with several different kinase genes occur in some neoplasias.
Conjugation	HIS
Tissue specificity	Highest in testis, lung, thymus, spleen and brain, lower levels in heart, liver and kidney.
Form	Lyophilised:Reconstitute with 103 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VNETRECQSLRLELEKLNNQLKALTEKNKELEIAQDRNIA IQSQFTRTKEELEAEKRD LIRTNERLSQELEYLTEDVK RLNEKLKESNTTKGELQLKLDELQASDVSVKYREKRL E QEKELLHSQNTWLNTELKTKTDELLALGREKGNEILELKC NLENKKEEVSRL EEQ MNGLKTSNEHLQKHVEDLLTKLK EAKEQQASMEEEKFHNELNAHIKLSNLYKSAADD SEAKS NELTRAVEELHKLLKEAGEANKAIQDHLLEVEQSKDQMEK EMLEKIGRLEK ELENANDLLSATKRKGAILSEEELAAM SPTAAAVAKIVKPGMKLTELYNAYVETQDQ LLLEKLEN KRINKYLDEIVKEVEAKAPILKRQREEYERAQKAVASLSV KLEQAMKEIQ RLQEDTDKANKQSSVLERNRMEIQVK DLSQQIRVLLMELEEARGNHVIRDEEVS SADISSSSEV ISQHLVSYRNIEELQQQNQRLLVALRELGETREREEQETTSSKITELQ LKLESALTELEQLRKSQRHQMQLVDSIVRQ RDMYRILLSQTTGVAIPLHASSLDDVS LASTPKRPSTS QTVSTPAPVPVIESTE AIEA(Amino acid sequence (Sequence deter mined by 5 Sequencing))

GENE INFORMATION

Gene Name	TPR translocated promoter region (to activated MET oncogene) [Homo sapiens]
Official Symbol	TPR
Synonyms	TPR; translocated promoter region (to activated MET oncogene); nucleoprotein TPR;
Gene ID	7175
mRNA Refseq	NM_003292
Protein Refseq	NP_003283
MIM	189940

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Uniprot ID	P12270
Chromosome Location	1q25
Pathway	Export of Viral Ribonucleoproteins from Nucleus, organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem; Glucose transport, organism-specific biosystem; HIV Infection, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; serine-tRNA ligase activity;

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