

## Recombinant Human TPR, His-tagged

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

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant fragment, corresponding to amino acids 69-668 of Human TPR with N terminal His tag. MWt: 69 kDa;                                                                                                                                                                                                                                                                                   |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>      | 69-668 a.a.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>        | 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. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tissue specificity</b> | Highest in testis, lung, thymus, spleen and brain, lower levels in heart, liver and kidney.                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>               | Lyophilised:Reconstitute with 103 µl aqua dest.                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage buffer</b>     | 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  
LLEKLEN KRINKYLDEIVKEVEAKAPILKRQREEYERAQKAVASLSV KLEQAMKEIQ  
RLQEDTDKANKQSSVLERNRRMEIQVK DLSQQIRVLLMELEEARGNHVIRDEEVS  
SADISSSSEV ISQHLVSYRNIEELQQQNQRLLVALRELGETREREEQETTSSKITELQ  
LKLESALTELEQLRKSQRQHQMQLVDSIVRQ 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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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Uniprot ID</b>          | P12270                                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 1q25                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | ATP binding; nucleotide binding; protein binding; serine-tRNA ligase activity;                                                                                                                                                                                                                    |

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