

Product datasheet for **SC318724**

TPR (NM_003292) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPR (NM_003292) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPR
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003292, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGTGTTGCAGCAAGTCTGGAGCGCACGGAGCTGAACAAGCTGCCAAGTCT
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 AATATTAAT

- Restriction Sites:** Please inquire
- ACCN:** NM_003292
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_003292.2](#), [NP_003283.2](#)

RefSeq Size: 9727 bp

RefSeq ORF: 7092 bp

Locus ID: 7175

UniProt ID: [P12270](#)

Cytogenetics: 1q31.1

Domains: M, Pox_A_type_inc

Protein Pathways: Pathways in cancer, Thyroid cancer

Gene Summary: 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. [provided by RefSeq, Jul 2008]