

Product datasheet for **RG204780**

C16orf42 (TSR3) (NM_001001410) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C16orf42
Synonyms:	C16orf42; HsTsr3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204780 representing NM_001001410
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCGCAGGAGGGCAGCGCGCGGGCCGGGGCGGAAGGCGGCCGCCCTCGGCACCTCCCGACGCGCT
CCCTGGAGGCTTCGCCGAGGAGGTCGGCGCCGCGCTGCAGGCTTCGTGGAGCCAGGGCGGCTGACGG
CGAGGGCGGCCCGGGCCGGCGGCGCTGCCCTGCACGCTGGCCATGTGGAGTTGGGCCACTGCGACCCC
CGGCGCTGCACGGCCGCAAGCTGGCCGCTGGGCTGGTGCCTGCCTGGCCACAGATTTCG
GCGGTCTGGTCTGAGCCCCGTGGGCAAGCAGTACGCGTCCCCCGACAGACAGAGCTGGTGGCGCAGTC
TGGGTCGCGCTCATCGACTGCTCCTGGGCCAGGCTGGACGAGACACCGTTTGGGAAGATGCGAGGGAGC
CACTTGCGCCTGTTGCCCTACCTGGTGGCCGCAACCCCGTGAACATGGCCGGCCCTACAGACTTTCCT
GCGTGAAGCGTTTGTGCCACCTTCTGCATCGTAGGCTTTCAGACCTTGCTGTATTTTGTGCGGAA
GTTTAAATGGGGCAAGGGCTTCTTGACCTGAACCGCCAGCTCCTGGACAAGTACGCGGCCTGCGGCAGC
CCGGAGGAGGTGCTGCAGGCGGAGCAGGAGTTCTTGCCAATGCCAAGGAGAGCCCCAGGAGGAGGAGA
TCGATCCCTTCGATGTGGATTCAGGGAGAGAGTTTGGAAACCCCAACAGGCCTGTGGCCAGCACCCGGCT
GCCCTCGACACTGATGACAGTGATGCGTCTGAGGACCCAGGGCTGGCGCCGAGCGCGGAGGAGCCAGC
AGCAGCTGCTGTGAAGAGGAGCAGACGACAGGACGGGGGCTGAGGCCAGGGCCCCGGCTGAGGTTTGA
AAGGAATCAAGAAACGGCAGAGAGAC

AG**CGGACCG**ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA



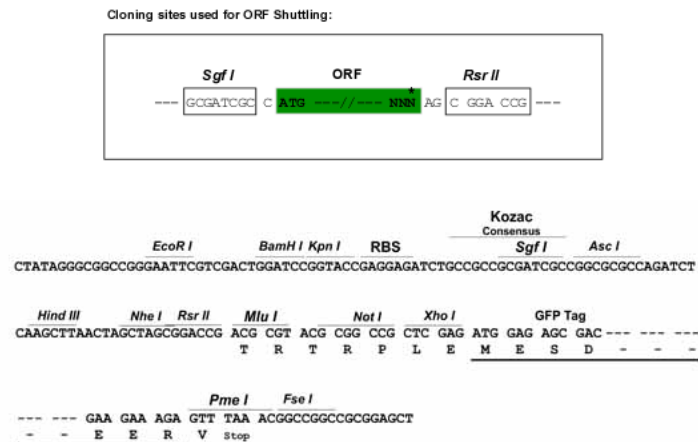
Protein Sequence: >RG204780 representing NM_001001410
 Red=Cloning site Green=Tags(s)

MGRRRAARGPGAEGGRPRHLPTRSLEAF AEEVGAA LQASVEPGAADGEGGPGAALPCTLAMWELGHCDP
 RRCTGRKLARLGLVRCLRGHFRGGLVLS PVGKQYASPADRQLVAQSGVAVIDCSWARLDETPFGKMRGS
 HLRLLPYLVAANPVNYGRPYRLSCVEAFAATFCIVGFPDLAVILLRKFKWGKGFLLNRQLLDKYAACGS
 PEEVLQAEQEFANAKESPQEEEIDPFDVDSGREFGNPNRPVASTRLPSDTDDSDASEDPGPGAERGGAS
 SSCCEEEQTQGRGAERAPAEVWGIKKRQRD

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001001410

ORF Size: 936 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001001410.3](#)

RefSeq Size: 1214 bp

RefSeq ORF: 939 bp

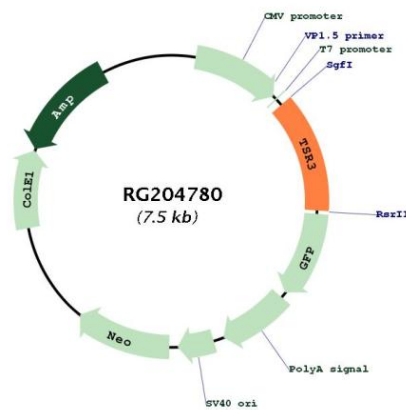
Locus ID: 115939

UniProt ID: [Q9UJK0](#)

Cytogenetics: 16p13.3

Gene Summary: Probable pre-rRNA processing protein involved in ribosome biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204780