

Product datasheet for RC200776

TTPAL (NM_024331) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTPAL (NM_024331) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTPAL
Synonyms:	C20orf121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200776 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGAAGAAAGTGACTCTCTGAGAACCAGCCCTTCTGTGGCCTCACTCTCTGAAAAATGAGCTGCCAC
CACCACCTGAGCCTCCGGGCTATGTGTGCTCACTGACAGAAGACCTGGTCACCAAAGCCCGGAAGAGCT
GCAGGAAAAGCCGAATGGAGACTTCGAGATGTGCAGGCCCTTCGTGACATGGTGCGAAGGAGTACCCC
AACCTGAGCACATCCCTCGACGATGCCTTCCTGCTGCGCTTCCTCGAGCCCGCAAGTTTGATTACGACC
GGGCCCTGCAGCTCCTCGTCAACTACCACAGCTGTAGAAGAAGCTGGCCCGAAGTCTTCAATAACTTGAA
GCCATCAGCCTTAAAAGATGTCCTTGCTTCCGGGTTCTCACCGTGTGCCCCACACTGACCCAGGGGC
TGCCATGTCGTCTGCATCCGCCAGACAGATGGATACCAAGCAACTATCCAATTACTGAAAAATCCGAG
CCATATACTTGACCTTAGAAAACTCATTCAGTCTGAAGAAACCCAGGTGAATGGAATTGTAATCTTGC
AGACTACAAAGGAGTGAGTTTATCAAAAGCATCTCACTTTGGCCCTTTTATAGCCAAAAGGTGATTGGC
ATCCTCCAGGATGGTTTCCCATTCGGATAAAAGCAGTCCATGTGGTGAATGAACCTCGAATATTTAAAG
GCATTTTGGCCATCATAAAACCATTCTAAAGGAGAAAATAGCAAACAGATTCTTCTCCATGGGTCTGA
CTTGAACCTCTCCACACAAAACCTTCCAAGAAGCATCTCCCAAGGAGTATGGGGCACGGCTGGGGAG
CTGGACACTGCCACCTGGAACGCGGTACTGCTGGCTTCAAGAAGCAGATTTGTGAAAGAGTTCTGCCAAC
CTGTTCTGCTGTGACAGCATCTGGCCAGACGCTGCTGCCCGAGGGCCTGACCTCAGATGCACAGTG
TGACGACTCCTTGCGAGCTGTGAAGTCACAGCTGTACTCCTGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200776 protein sequence
Red=Cloning site Green=Tags(s)

MSEESDSLRTSPSVASLSENELPPPEPPPGYVCSLTEDLVTKAREELQEKPEWRLRDVQALRDMVRKEYP
 NLSTSLDDAFLRLRARKFDYDRALQLLVNYHSCRRSWPEVFNKPSALKDVLASGFLTVLPHTDPRG
 CHVVCIRPDRWIPSNYPITENIRAIYL TLEKLIQSEETQVNGIVILADYKGVSLSKASHFGPFI AKKVI
 ILQDGFPIRIKAVHVVNEPRIFKGI FAI IKPFLKEKIANRFFLHGS DLNSLHTNL PRSILPKEYGGTAGE
 LDTATWNAVLLASEDDFVKEFCQVPVACDSILGQTLLPEGLTSDAQCDLRAVKSQLYSCY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6385_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024331

ORF Size: 1026 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.

RefSeq: [NM_024331.5](#)

RefSeq Size: 6236 bp

RefSeq ORF: 1029 bp

Locus ID: 79183

UniProt ID: [Q9BTX7](#)

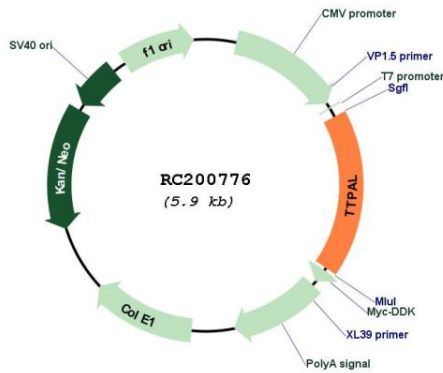
Cytogenetics: 20q13.12

Domains: SEC14

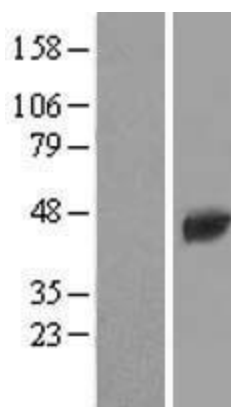
MW: 38.5 kDa

Gene Summary: May act as a protein that binds a hydrophobic ligand.[UniProtKB/Swiss-Prot Function]

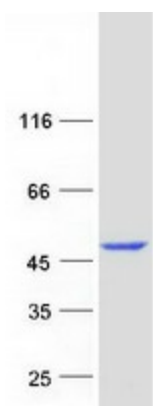
Product images:



Circular map for RC200776



Western blot validation of overexpression lysate (Cat# [LY422027]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC216730] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TTPAL protein (Cat# [TP300776]). The protein was produced from HEK293T cells transfected with TTPAL cDNA clone (Cat# RC200776) using MegaTran 2.0 (Cat# [TT210002]).