

Product datasheet for **RC200602**

TRAPPC3 (NM_014408) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAPPC3 (NM_014408) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRAPPC3
Synonyms:	BET3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200602 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAGGCAGGCGAACCGTGGCACCGAGAGCAAGAAAATGAGCTCTGAGCTCTTCACCCTGACCTATG
 GTGCCCTGGTCACCCAGCTATGTAAGGACTATGAAAATGATGAAGATGTGAATAAACAGCTGGACAAAAT
 GGGCTTTAACATTGGAGTCCGGCTGATTGAAGATTTCTGGCTCGGTCAAATGTTGGGAGGTGCCATGAC
 TTTGGGAACTGCGGATGTCATTGCCAAGGTGGCGTTCAAGATGTACTGGGCATCACTCCAAGCATT
 CTAATTGGAGCCAGCTGGTGATGAATTCTCCCTCATTTTGGAAAATAACCCCTTGGTGGACTTTGTGGA
 ACTTCCTGATAACCACTCATCCCTATTTATTCCAATCTTGTGTGGGGTGTTCGCGGGAGCTTTGGAG
 ATGGTCCAGATGGCTGTGGAGGCCAAGTTGTCCAGGACACCCTGAAAGGAGACGGTGTGACAGAAATCC
 GGATGAGATTCATCAGGCGGATTGAGGACAATCTTCCAGCTGGAGAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC200602 protein sequence Red=Cloning site Green=Tags(s)
-------------------	--

MSRQANRGTESKKMSSELFLLTYGALVTQLCKDYENDEDVNKQLDKMGFNIGVRLIEDFLARSNVGRCHD
 FRETADVIKAVFKMYLGITPSITNWSAGDEFSLILENNPLVDFVELPDNHSSLIYSNLLCGVLRGALE
 MVQMAVEAKFVQDTLKG DGVT EIRMR FIRRIEDNLPAGEE

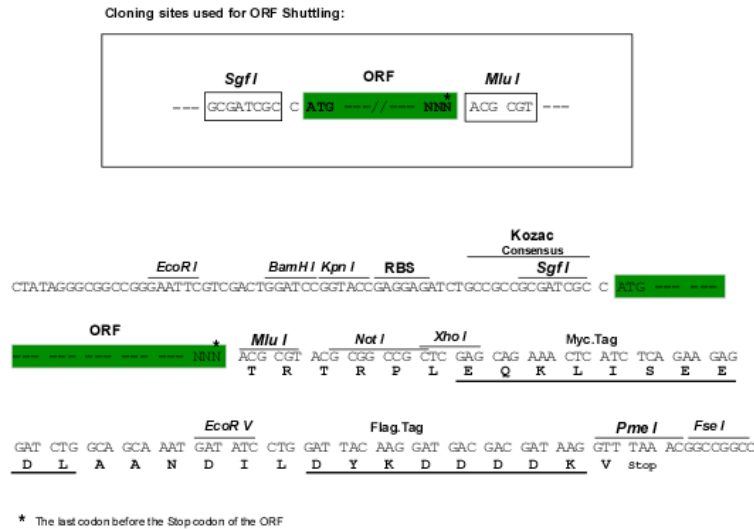
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6408_d09.zip
----------------	---


[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014408

ORF Size: 540 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_014408.5](#)

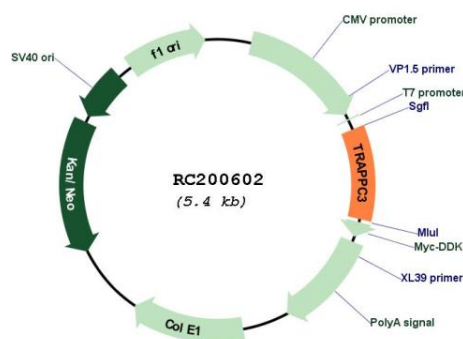
RefSeq Size: 1333 bp

RefSeq ORF: 543 bp

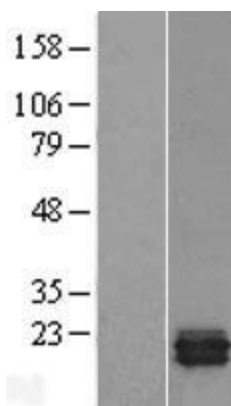
Locus ID: 27095
UniProt ID: [O43617](#)
Cytogenetics: 1p34.3
Domains: TRAPP_Bet3
MW: 20.3 kDa

Gene Summary: This gene encodes a component of the trafficking protein particle complex, which tethers transport vesicles to the cis-Golgi membrane. The encoded protein participates in the regulation of transport from the endoplasmic reticulum to the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

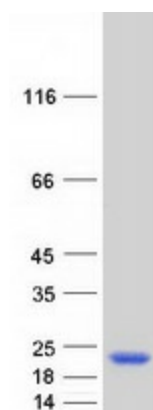
Product images:



Circular map for RC200602



Western blot validation of overexpression lysate (Cat# [LY415301]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200602 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRAPPC3 protein (Cat# [TP300602]). The protein was produced from HEK293T cells transfected with TRAPPC3 cDNA clone (Cat# RC200602) using MegaTran 2.0 (Cat# [TT210002]).