

Product datasheet for **RC200253**

ZFPL1 (NM_006782) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZFPL1 (NM_006782) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ZFPL1 |
| Synonyms: | D11S750; MCG4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC200253 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTTTGTAAGTGCCCAAGAGAAAGGTGACCAACCTGTTCTGCTTGAACATCGGGTCAACGTCT
GCGAGCACTGCCTGGTAGCCAATCACGCCAAGTGCATCGTCCAGTCTACCTGCAATGGCTCCAAGATAG
CGACTACAACCCCAATTGCCGCTGTGCAACATACCCCTGGCCAGCCGAGAGACGACCCGCCTTGCTGC
TATGATCTTTTCACTGGCCTGCCTCAATGAACGTGCTGCCAGCTACCCGAAACACGGCACCTGCCG
GCTATCAGTGCCCGAGTCAATGGCCCATCTCCCCCAACCAACCTGGCTGGCCCCGTGGCCTCCGC
ACTGAGAGAGAAGCTGGCCACAGTCAACTGGGCCCGGCCAGGACTGGGCCCTCCCTCTGATGATGAGGTG
GTGAGCCAGAGCCGAGCCCTCAACACGTCTGACTTCTGACTGGTCTAGTTTTAATGCCAGCAGTA
CCCCTGGACCAGAGGAGGTAGACAGCGCCTCTGCTGCCAGCCTTCTACAGCCAGGCCCCCCGGCCCC
AGCTTCCCCAGGCCGGCCGAGCAGCACACAGTATCCACATGGGCAATCCTGAGCCCTTGACTCACGCC
CCTAGGAAGGTGTATGATACGCGGGATGATGACCGGACACCAGGCCTCCATGGAGACTGTGACGATGACA
AGTACCGACGTCGGCCGGCCTTGGGTTGGCTGGCCGGCTGCTAAGGAGCCGGCTGGGTCTCGGAAGCG
GCCGCTGACCTGCTCCAGCGGGCGGGCTGCTGCTACTTTGGGACTGCTGGCCTTCTGGCCCTCCTT
GCCCTCATGTCTGCCTAGGCCGGCCGAGCTGACAGCGATCCCAACCTGGACCACTCATGAACCTC
ACATCCGGTGGGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200253 protein sequence
Red=Cloning site Green=Tags(s)

MGLCKCPKRKVTNLFCEHRVNVCEHCLVANHAKCIVQSYLQWLQSDYDNPNCRLCNIPLASRETRRLVC
 YDLFWACLNERAAQLPRNTAPAGYQPCSCNGPIFPPTNLAGPVASALREKLATVNWARAGLGLPLIDEV
 VSPEPEPLNTSDFSDWSSFNASSTPGPEEVDSASAAPAFYSQAPRPPASPGRPEQHTVIHMGNPEPLTHA
 PRKVYDTRDDDRTPGLHGDCDDDKYRRRPPALGWLARLLRSRAGSRKRPLTLLQRAGLLLLLGLLGLFALL
 ALMSRLGRAAADSDPNLDPLMNPHIRVGPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6171_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006782

ORF Size: 930 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_006782.4](#)

RefSeq Size: 1400 bp

RefSeq ORF: 933 bp

Locus ID: 7542

UniProt ID: [O95159](#)

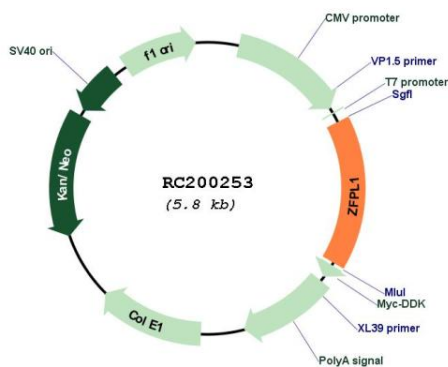
Cytogenetics: 11q13.1

Protein Families: Transcription Factors, Transmembrane

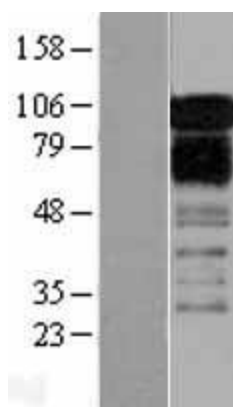
MW: 34.1 kDa

Gene Summary: Required for cis-Golgi integrity and efficient ER to Golgi transport. Involved in the maintenance of the integrity of the cis-Golgi, possibly via its interaction with GOLGA2/GM130. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200253



Western blot validation of overexpression lysate (Cat# [LY402028]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200253 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).