

Product datasheet for **RC205554**

ITPRIPL1 (NM_178495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITPRIPL1 (NM_178495) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ITPRIPL1
Synonyms:	KIAA1754L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205554 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACTGACTCCTACTCTCCTACTTCTCCAGATGCAGAGGCCTCCATGGCTGTGATAAGCCTGCTGT
 TCTTGGCAGTGATGTATGTTGTTCAACACCTCTGATGGTCAGTGATCGGATGGACCTGGACACATTAGC
 CAGGAGTCGGCAGCTGGAGAAGCGAATGAGTGAGGAGATGCGCCTGCTAGAGATGGAGTTTGAAGAGAGA
 AAGCGAGCCGCTGAGCAGAGGCAGAAGGCAGAGAACTTCTGGACAGGAGACATCCAGTGACCACTTAG
 TGCTGGGAAGAAAGACATGGGGTGGCCGTTCCAGGCCGATGGCCAGGAAGGCCCTCTGGCTGGATGCT
 GGGAAACCTGTGGAACACTGGCCTCTTTTGCTTTTCTCGTCTTTGAGCTCTGCGACAGAACATGCAG
 CATGAACCGCCCTTGATTCCAGCAGTGAGGAGGAGGAGGAAGTCCGTGTTGTCCCTGTCACCTCTT
 ACAACTGGCTTACTGACTTCCCCTCCCAGGAGGCCCTGGACTCCTTTACAAACACTATGTCCAAAATGC
 CATCCGTGACCTGCCCTGCACCTGTGAGTTTGTGGAGATTTTGTGGATGATCTCATTGAGGCCCTGTCGG
 GTGCTCAGCCGCCAAGAGGCTCACCCACAATTGGAAGACTGCCTGGGCATCGGGGCTGCCTTTGAGAAAT
 GGGGAACCTCCATGAGACCCAGAAATTTGATATCCTGGTGCCCATTTGTCCCCCACAGGACCATGTT
 TGTCTGGAGATGAGGGACCCAGCCCTGGGCGCCGCTGTGGCTGTGTGCTGGTGGAGTCAGAATGTGTG
 TGCAAGCGTGAGAACTCCTAAGGGACGTGCTGTGCCTGGTGACCAACACAGGACCCCTCGGCAGTCT
 TGGGAAGTGTAGTAGCTCCATCAAGGCAGCTCTCTGCACCGCTTCCACCTAGACGTGTCAAGACTGT
 GCAGTGGTTCCGAACATGATGGCAATGCCTGGGCCCTTGTGGCCACAAGTATGACTTTAAACTCAGT
 CTCCCACCGTCTACCACCTCTGCAAGCTCCGGCTGGACTATCGCTCAGGCCGCTTCTCTCAATCCACT
 TGGTCTTGGGGTGCAACGAGAAGACCTTGGTCTACCTGGTGAGTCAGGCTCCTGACCAGGAGCAGCT
 CACCAGTGTGGACTGGCCTGAGTCTTTTGGCCTGTGAGCACCTGTTCTGAAGCTGGTGGGGCGCTTT
 GCCCCCGAGAACCTGTACCTCAAGTGCCTCCAGATCATTTTAAGTCTCCGGCAGCATCAGAGCTTAC
 CCCATGGAGCATCCCGCCCATCCTCACTTCTTACCATTTTAAACAGCTCTCATGCACCTCTTGCTACG
 GCTGCCCTCACGGACTGGGCCCAACATGCTCTCTCAGCGGCTCCAGGACATTCTCTGTTTCTTGGGC
 CGTGGCCTCCAGCAAAGTCCCTCCATCATTTCTCATTGGTAACAATTTTCTGCCCTGACCATCCCAA
 TCCCTAAGACATTTAGGAATGCTGAGCCGGTCAATCTCTTCAACACCTGGTGTCAACCCCAAGGCACA
 TTCACAGGCAGTGAAGAGTTCCAAAACCTTCTGACCCAGGTGAAACTCTGCCTCATGCCCCACTGGCT
 GCAGCACCT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205554 protein sequence
 Red=Cloning site Green=Tags(s)

MTDSYSPTSPDAEASMAVISLLFLAVMYVHHPLMVSDRMDLDTLARSQLEKRMSEEMRLLEMEFEER
 KRAAEQRQKAENFWTGDTSDDLVLGKKDMGWPFQADGQEGPLGWMLGNLWNTGLFCLFLVFELLRQNMQ
 HEPAFDSSSEEEEEVRVVPVTSYNWLTDFPSQEALDSFYKHYVQNAIRDLPCTCEVFESFVDDLIEACR
 VLSRQEAHPQLEDCLGIGAAFEKWGTLHETQKFDILVPIVPPQGTMTFVLEMRDPALGRRCGCVLVESECV
 CKREKLLRDVLCVHHHRDPSAVLGKCSSSIKAALCTGFHLDVCKTVQWFRNMMGNAWALVAHKYDFKLS
 LPPSTTSCKLRDYSRGRFLSIHLVLGVQREDTLVYLVSQAPDQEQLTSVDWPESFVACEHLFLKLVGFRF
 APENTCHLKCLQIILSLRQHQLPHGASRPILTSHFKTALMHLLRLPLTDWAHNMLSQRLQDILWFLG
 RGLQQRSLHHFLIGNNFLPLTIPIKTRFNAEPVNLFQHLVLNPKAHSQAVEEFQNLITQVKTLPHAPLA
 AAP

TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6536_g06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_178495

ORF Size: 1689 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_178495.3](#)

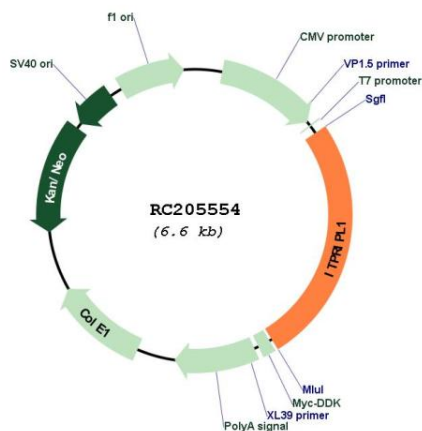
RefSeq Size: 2168 bp

RefSeq ORF: 1692 bp

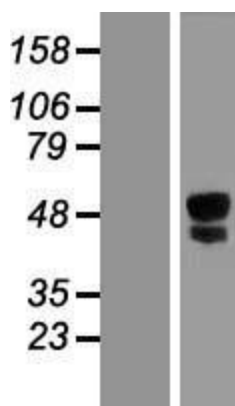
Locus ID: 150771

UniProt ID: Q6GPH6
 Cytogenetics: 2q11.2
 Protein Families: Transmembrane
 MW: 64.3 kDa

Product images:



Circular map for RC205554



Western blot validation of overexpression lysate (Cat# [LY405888]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205554 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).