

Product datasheet for **RG205554**

ITPRIPL1 (NM_178495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITPRIPL1 (NM_178495) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ITPRIPL1
Synonyms:	KIAA1754L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205554 representing NM_178495
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACTGACTCCTACTCTCCTACTTCTCCAGATGCAGAGGCCTCCATGGCTGTGATAAGCCTGCTGT
 TCTTGGCAGTGATGTATGTTGTTCAACACCTCTGATGGTCAGTGATCGGATGGACCTGGACACATTAGC
 CAGGAGTCGGCAGCTGGAGAAGCGAATGAGTGAGGAGATGCGCCTGCTAGAGATGGAGTTTGAAGAGAGA
 AAGCGAGCCGCTGAGCAGAGGCAGAAGGCAGAGAACTTCTGGACAGGAGACATCCAGTGACCACTTAG
 TGCTGGGGAAGAAAGACATGGGGTGGCCGTTCCAGGCCGATGGCCAGGAAGGGCCTCTGGGCTGGATGCT
 GGGAAACCTGTGGAACACTGGCCTCTTTTGCCTTTTCTCGTCTTTGAGCTCTGCGACAGAACATGCAG
 CATGAACCGGCCTTTGATTCCAGCAGTGAGGAGGAGGAGGAGGAAGTCCGTGTTGTCCCTGTCACCTCTT
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 CATCCGTGACCTGCCCTGCACCTGTGAGTTTGTGGAGATTTTGTGGATGATCTCATTGAGGCCTGTCGG
 GTGCTCAGCCGCCAAGAGGCTCACCCACAATTGGAAGACTGCCTGGGCATCGGGGCTGCCTTTGAGAAAT
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 CCCATGGAGCATCCCGCCCATCCTCACTTCTTACCATTTTAAACAGCTCTCATGCACCTCTTGCTACG
 GCTGCCCTCACGGACTGGGCCCAACATGCTCTCTCAGCGGCTCCAGGACATTCTCTGTTTCTTGGGC
 CGTGGCCTCCAGCAAAGTCCCTCCATCATTTCTCATTGGTAACAATTTTCTGCCCTGACCATCCCAA
 TCCCTAAGACATTTAGGAATGCTGAGCCGGTCAATCTCTTCCAACACCTGGTGTCAACCCCAAGGCACA
 TTCACAGGCAGTGAAGAGTTCCAAAACCTTCTGACCCAGGTGAAAACCTCTGCCTCATGCCCCACTGGCT
 GCAGCACCT

ACGCGTACGCGGCGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205554 representing NM_178495
 Red=Cloning site Green=Tags(s)

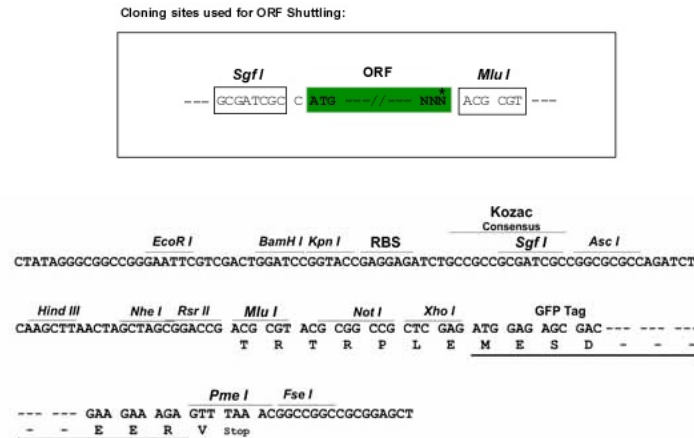
MTTDSYSPTSPDAEASMAVISLLFLAVMYVHHPLMVSDRMDLDTLARSRLQEKRMSEEMRLLEMEFEER
 KRAAEQRQKAENFWTGDTSDDLVLGKKDMGWPFQADGQEGPLGWMLGNLWNTGLFCLFLVFELLRQNMQ
 HEPAFDSSSEEEEEVVRVPVTSYNWLTDFPSQEALDSFYKHVQNAIRDLPCTCEVFESFVDDLEACR
 VLSRQEAHPQLEDCLGIGAAFEKWGTLHETQKFDILVPIVPPQGTMFVLEMRDPALGRRCGCVLVESECV
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 LPPSTTSCKLRDYSRGRFLSIHLVLGVQREDTLVYLVSQAPDQEQLTSDWPESFVACEHLFLKLVGFRF
 APENTCHLKCLQIILSLRQHQSPLPHGASRPILTSYHFKTALMHLRLPLTDWAHNMLSQRLQDILWFLG
 RGLQQRSLHHFLIGNNFLPLTIPIKTFRNAEPVNLFQHLVLNPKAHSQAVEEFQNLLTQVKTLPHAPLA
 AAP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-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: 2120 bp

RefSeq ORF: 1692 bp

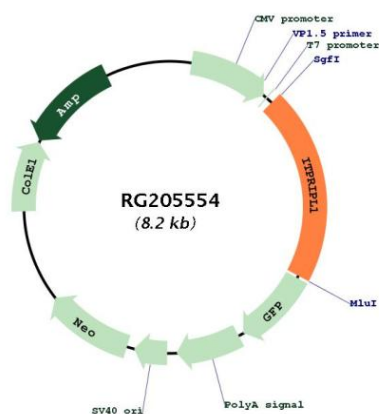
Locus ID: 150771

UniProt ID: [Q6GPH6](#)

Cytogenetics: 2q11.2

Protein Families: Transmembrane

Product images:



Circular map for RG205554