

## Product datasheet for **SC128162**

### ITPRIP (NM\_033397) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ITPRIP (NM_033397) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITPRIP
Synonyms:	bA127L20; bA127L20.2; DANGER; KIAA1754
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_033397, the custom clone sequence may differ by one or more nucleotides

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ATGGCCATGGGGCTCTCCGCGTGTGTCTGGTGGTGGTGACGGCCATCATCAACCACCCGCTGCTGTCC
CGCGGGAGAACGCCACAGTCCCCGAGAACGAGGAGGAGATCATCCGAAGATGCAGGCGCACCAGGAGAA
GCTGCAGCTGGAGCAGTTGCGCCTGGAGGAGGAGGTGGCTCGGCTGGCGGCCGAAAAGGAGGCACTGGAG
CAGGTGGCGGAGGAGGGCAGGCAGCAGAACGAGACACGCGTGGCCTGGGACCTCTGGAGCACCTCTGCA
TGATCCTCTTCTGATGATCGAGGTGTGGCGGCAGGACCACCAGGAGGGGCCCTCACCTGAGTGCCTGGG
CGGTGAGGAGGATGAGCTGCCTGGGCTGGGGGGCGCCCCCTTGCAGGGCCTCACCTGCCAACAAGGCC
ACGCTTGGCCACTTTTATGAGCGCTGCATCCGGGGGGCCACGGCCGATGCAGCCCGTACCCGGGAGTTCC
TGAAGGCTTCGTGGATGACTTGTGGAAGCCCTGAGGAGCCTCTGCAACCGGGACACCGACATGGAGGT
GGAGGACTTCATTGGCGTGGACAGCATGTACGAGAAGTGGCAGGTGGACAGGCCACTGCTGTGCCACCTT
TTCGTGCCCTTACACCCCCGAGCCCTACCGCTTCCACCCAGAGCTCTGGTGTCCGGCCGCTCAGTGC
CCCTGGATCGCCAGGGCTACGGCCAGATCAAGGTGGTCCGCGCCGATGGGGACACATTGAGCTGCATCTG
CGCAAGACCAAGCTCGGGGAAGACATGCTGTGTCTCTGCACGGCAGGAACAGCATGGCGCCTCCCTGC
GGCGACATGGAGAACCTGCTGTGTGCCACAGATCCCTGTACCTGGACACGATGCAGGTCATGAAGTGGT
TCCAGACGGCCCTCACCAGAGCCTGGAAGGGCATCGCCCAAGTACGAGTTCGACCTGGCCTTTGGCCA
GCTGGACAGCCCGGGTCCCTGAAGATCAAGTTCGGTTCAGGGAAGTTCATGCCCTTCAACCTGATTCTT
GTGATCCAGTGTGATGACTCGGACCTGTACTTTGTCTCCACCTTCCCAGGGAGCCCTCTGAGGGCACCC
CAGCCTCCAGCACAGACTGGCTCCTGTCTTTGTGTCTATGAGCGACACTTCTCAGGACGACACTAAA
GGCACTGCCCCGAGGGCGCCTGCCACCTCAGCTGCCTGCAGATAGCATCCTTCTGCTCTCAAGCAGAGC
GCCTGACCGGTCCCAGCGGGCTCAGCAGCTACCACCTGAAGACGGCCCTACTGCACCTCTACTCTCC
GGCAGGCCGCGACTGGAAGGCGGGCAGCTGGACGCTCGTCTGCACAGATTGCTGTCTTCTGGAGAA
GAGCTTGTCCAGAAGAAGCTCCACCCTTCTTATCGGCAACCAGTGCCTGAGGCCATGGGACTC
CCTGAGGCCGTGCTCAGGGCCGAGCCCTCAACCTCTTCCGGCCCTTCGTCTGCAGCGAAGCCTTACC
GTAAGACTGACTCCTTCTATGAGATGCTCAAGAAATGCCCCAGCGCTCATTAGCGAGTATCCCTACA
TGTCCTCAGACCAGCCTACCCAAAAAGCTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_033397 unedited

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NCGCATTTCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGACGGTGGNGAGTCTATAT
AAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC
CGCGAATTCGGCACGAGGGGCATCGCCGCCCGCCCTTAAGTGCCGGGCCGCAAGCT
CCACCGCAGCCGCTGCAAGCAGCGGCCCTCGGCCCTCGACCTGCGCGCAAAGCCTGTG
CTGGAGCCGTCTCCCGCGGGGACCAGGGACCGGGACCCAAGCCAATCGAAAGCTCC
AACCATGGCCATGGGGCTCTCCGCGTGTGTCTGGTGGTGGTGACGGCCATCATCAACCA
CCCGCTGCTGTTCCCGCGGAGAACGCCACAGTCCCGGAGAACGAGGAGGAGATCATCCG
CAAGATGCAGGGCACCAGGAGAAGCTGCAGCTGGAGCAGTTGCGCCTGGAGGAGGAGGT
GGCTCGGCTGGCGGCCGAAAAGGAGGCACTGGAGCAGGTGGCGGAGGAGGGCAGGCAGCA
GAACGAGACACGCGTGGCCTGGGACCTCTGGAGCACCTCTGCATGATCCTTCTTCTGAT
GATCGAGGTGTGGCGGCAGGACCACCAGGAGGGGCCCTCACCTGAGTGCCTGGCGGTGA
GGAGGATGAGCTGCCTGNGCTGGGGGGCGCCCCCTTGACGGCCCTCACCTGCCAACAA
GGCCACGCTTGGCCACTTTTATGAGCGCTGCATCCGGNGGGCCACGGCCGATGCAGCCCG
TACCCGGGAGTTCTGGAAGGCTTCGTGGATGACTTGTGGAAGCCCTGAGAGCCTCTG
CACCGGGACACGCATGGGAGTTGGAGGACTCATGGNCGTGACAGCAGTACGAGACTGGNC
AGTA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_033397 unedited NNTTTAACTTTGGNACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGCA AAATTTAATTCTCTCTTAATATAAATAAGGCAGCATGAAACACCAAGAGCCCCACTGCT TTCTGCTTTAGAAGCAGCTTTGGTGCAGAAAAGATTCCCGTTTCCCACCGAGTTCTGTT GTCTCTGTACACACAAGAAGCCAGAAGATTTTTTTTTTCAGTGAACCTTCTCCTGGAAG CAAAGGAGAAGCTATGGGAGATCCAGGCATGGTTTTGGCTTCTGGAGGCTGTTTTTGGT TACTGGGTCTCTTCAAAGCAAACGGGATCAGGATGAAGAGGGGAAAGGCATGGGCCA TAAATAAATAAGGAAATTTGCCCGATTCTACAAATGCATCTGATGGAATGAGGAGGGTC AGGCTGTGAGGGATTGGGGGTAGCTCCAGGCTGCTGTTAGGGACACACTTGAGCTGGTTC ATTCCTGGAGTGCCCCGCAACTGCGTCTAGGGAGAGGCAGGCCCAAGCACATGTTCACT CTAATTCAGCTCACACTGGAAGGCTTCTATAGGTTTGGTTGCCCTGATCACAGCCGAG CTGCCCCACCAGGAATTAACCCTGGTGGGCAAAGGTCATCTTCTCAAGCTTCTGAGG CTGTTGAGAGCACTCTGGGATGGGGGAAGGATCTCCTTCTCAGTTTGTGGGGTA ACTGGGACCCCTGTCAAGTTGGTTATGCTCTCGGGAAGGCATGGCCGGCTTAAACCCTG GAGGAACACGGTATATTCTTGACTCCCTGGCCCCCTGGCAGGGTACTGAAGTAACGGTG AGATAGGAAATCTCAAAGGGCCAGTGGAGCCCCAGTGGGAAAAGAGCCTTCTGATCCCC CTGAACCAGACT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033397
<b>Insert Size:</b>	4500 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_033397.2</a></u> , <u><a href="#">NP_203755.1</a></u>
<b>RefSeq Size:</b>	4378 bp
<b>RefSeq ORF:</b>	1644 bp
<b>Locus ID:</b>	85450
<b>UniProt ID:</b>	<u><a href="#">Q8IWB1</a></u>
<b>Cytogenetics:</b>	10q25.1

**Gene Summary:**

This gene encodes a membrane-associated protein that binds the inositol 1,4,5-trisphosphate receptor (ITPR). The encoded protein enhances the sensitivity of ITPR to intracellular calcium signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.