

Product datasheet for RN217790

Itpr1 (NM_001270596) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Itpr1 (NM_001270596) Rat Untagged Clone
Tag: Tag Free
Symbol: Itpr1
Synonyms: I145TR; InsP3R; InsP3R1; IP3R1; P400
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217790 representing NM_001270596
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTGACAAAAATGTCTAGTTTCTACATATCGGAGACATTTGTTCTCTGTATGCAGAGGGATCTACGA
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ACTGCGGGGATGGCCCAATGCTTCGGCTGGAGGAGCTGGGGGACCAGCGGCACGCTCCTTTCAGACACAT
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 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270596
Insert Size: 8202 bp

OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001270596.1</u> , <u>NP_001257525.1</u>
RefSeq Size:	9739 bp
RefSeq ORF:	8202 bp
Locus ID:	25262
Cytogenetics:	4q41
Gene Summary:	<p>This gene belongs to the Insp3 receptor family. It encodes an intracellular receptor for inositol 1,4,5-trisphosphate. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic reticulum. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.</p>