

Product datasheet for MC225391

Itpr2 (NM_019923) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpr2 (NM_019923) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itpr2
Synonyms:	Al649341; InsP3R-2; InsP3R-5; insP3R2; lp3r2; Itpr5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225391 representing NM_019923 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGCTGACAAAAATGTCCAGCTTCTCTACATTGGGGACATCGTGTCCCTGTACGCGGAGGGCTCGGTCA
ATGGCTTCATCAGCACCCCTGGGTTGGTGGATGACCGTTGTGTGGTGCACCCAGAGGCGGGAGACCTTGC
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TTGCTGGAGAAGAATGCCATGCGAGTGTCACTGGATGTGCAGGGAACGAAGGCTCCTGGTTCTACATCC
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 AAGCAGCTGTCAGGGCAGCTGGCAGAGCTGAAGGAGCAGATGACAGAACAAGGAAAAACAAGCAAAGGC
 TGGGCTTCTTGGATCAAACACACCCCATGTGAACCATCATGCCACCGCAC**TGA**

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_019923
Insert Size: 8106 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).
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:	NM_019923.4 , NP_064307.2
RefSeq Size:	11839 bp
RefSeq ORF:	8106 bp
Locus ID:	16439
UniProt ID:	Q9Z329
Cytogenetics:	6 77.7 cM
Gene Summary:	Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. This release is regulated by cAMP both dependently and independently of PKA.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).