

## Product datasheet for **RR215116**

### **Itpa (NM\_001107774) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Itpa (NM\_001107774) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Itpa  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR215116 representing NM\_001107774  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCGTCTTTGGTTGGGAAGAAGATAGTGTTTGTGACGGGAAACGCAAAGAAGCTGGAGGAGGTCA  
TTCAGATTCTAGGAGATAAGTTTCCATGCACTTTGGTGGCGCAGAAAATTGACCTGCCTGAGTATCAGGG  
AGAACC GGATGAAATTTCCATACAGAAGTGT CAGGAGGCAGCTCGACAGGTGCAGGGCCCTGTTCTGGTG  
GAGGATACCTGTTTGTGCTTTAATGCACTTGGGGGACTGCTGGCCCTACATAAAATGGTTTCTGCAGA  
AGCTGAAGCCTGAAGTCTCTACCAGCTCCTGGCCGCTTTGAAGACAAATCAGCCTATGCACTCTGCAC  
ATTCGCTCTCAGCACTGGGGACCCAGCCAGCCAGTGTCTGTTT CAGAGGCAAGACCCCGGGACAGATT  
GTGATGCCTCGAGGTAGCCGGGACTTCCGCTGGGATCCCTGCTTTCAGCCTGATGGATATGAGCAAACGT  
ATGCAGAGATGCCGAAGGCTGAGAAGAACCATTCCCATCGCTTCCGGGCTCTGTTCAAGCTCCAAGA  
GTACTTTGGTGTGACTGATGGGGCTGGGGACCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR215116 representing NM\_001107774  
**Red=Cloning site Green=Tags(s)**

MAASLVGKKIVFVTGNAKKLEEVIIQILGDKFPCTLVAQKIDLPEYQGEPEDEISIQKQEAARQVQGPVLV  
EDTCLCFNALGGLPGPYIKWFLQKLPGLYQLLAGFEDKSAYALCTFALSTGDPSPVLLFRGKTPGQI  
VMPRGRSDFGWDPFCQPDGYEQTYAEMPKAENKISHRFRALFKLQYFVTDGAGDH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-Mlul

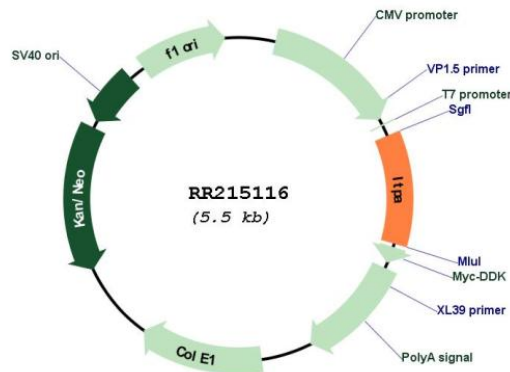


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107774

ORF Size: 594 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.

<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>NM_001107774.1, NP_001101244.1</u>
<b>RefSeq Size:</b>	1184 bp
<b>RefSeq ORF:</b>	597 bp
<b>Locus ID:</b>	311422
<b>UniProt ID:</b>	<u>D3ZW55</u>
<b>Cytogenetics:</b>	3q36
<b>MW:</b>	21.9 kDa
<b>Gene Summary:</b>	human homolog is a nucleoside triphosphate pyrophosphatase; hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate [RGD, Feb 2006]