

## Product datasheet for **MC208798**

### **Itpa (NM\_025922) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Itpa (NM\_025922) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Itpa  
**Synonyms:** 2010016I08Rik; AU020102; Itp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208798 representing NM\_025922  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTGCGTCTTTGGTCGGGAAGAAGATCGTGTTTGTGACGGGAAACGCCAAGAAGCTGGAGGAGGTCA  
TTCAGATTCTCGGAGATAATTTCCATGCACTTTGGAGGCTCAGAAAATTGACCTGCCTGAGTACCAGGG  
AGAACCGGATGAGATTTCCATACAGAAGTGTGGGAGGCAGCTCGACAGGTGCAGGGCCCTGCTCCTGGT  
GAAGATACCTGTCTGTGCTTTAACGCACTTGGGGGACTGCTGGCCCCTACATAAAATGGTTCCTACAGA  
AGCTGAAGCCTGAAGTCTCCACCAGCTCCTGGCCGGCTTTGAAGACAAATCGGCCATGCACTCTGCAC  
ATTCGCTCTCAGCACTGGGGACCAAGCCAGCCAGTGTCTCTTTCAGAGGCCAGACCTCGGGACAGATT  
GTGATGCCACGAGGCAGCCGGGACTTTGGCTGGGATCCCTGCTTTCAGCCTGATGGATA TGAGCAAACGT  
ATGCAGAGATGCCAAAGTCTGAGAAGAACCATTTCTCATCGGTTCCGGGCCCTGCACAAGCTACAGGA  
GTACTTTAGTGTGGCTGCTGGGGCTGGTGACC**ACTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_025922  
**Insert Size:** 597 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).



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<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>	<a href="#">NM_025922.2</a> , <a href="#">NP_080198.2</a>
<b>RefSeq Size:</b>	1264 bp
<b>RefSeq ORF:</b>	597 bp
<b>Locus ID:</b>	16434
<b>UniProt ID:</b>	<a href="#">Q9D892</a>
<b>Cytogenetics:</b>	2 63.24 cM
<b>Gene Summary:</b>	Pyrophosphatase that hydrolyzes the non-canonical purine nucleotides inosine triphosphate (ITP), deoxyinosine triphosphate (dITP) as well as 2'-deoxy-N-6-hydroxylaminopurine triphosphate (dHAPTP) and xanthosine 5'-triphosphate (XTP) to their respective monophosphate derivatives. The enzyme does not distinguish between the deoxy- and ribose forms. Probably excludes non-canonical purines from RNA and DNA precursor pools, thus preventing their incorporation into RNA and DNA and avoiding chromosomal lesions. [UniProtKB/Swiss-Prot Function]