

Product datasheet for **RN211501**

Impa2 (NM_172224) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Impa2 (NM_172224) Rat Untagged Clone
Tag: Tag Free
Symbol: Impa2
Synonyms: MGC93085
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211501 representing NM_172224
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCCGAACAGCGAGGAAGAGGAGGAGTTGGTGCAGGGCGTGGGCCCTGGGACGAGTGCTTCGAGG
TGGCCGTGCAGTTGGCGTTGCGTGCGGGACAAATCATCAGAAAGGCCCTCACTGAGGAAAAACAGTCTC
GACGAAAACATCTGCTGCAGATCTTGTGACAGAAACAGATCACCGAGTAGAAGACTTAATTGTTTCTGAG
TTGCGAAAAGCGGTTCCCTTCACACAGGTTCAATGCAGAAGAGGCCACAGCCTCCGGGGCCAAGTGTGTGC
TACCCACAGCCCGACCTGGATCATCGACCCCATCGACGGCACCTGCAACTTTGTGCACAGATTCCCAC
TGTGGCAGTTAGCATCGGATTTGCTGTTACCAGGAGCTGGAATTCGGAGTGATTCACCACTGCACAGAG
GAGCGGCTGTACACCGGCAGGAGGGGCCAGGGCGCCTTTTGAATGGCCAGAGGCTCCAGGTCTCCAGGG
AGACAGATCTCGCAAAGGCCTTGGTTCTGACAGAAATCGGGCCAAACGTGACCCCGATACTCTGAAAGT
ATTCTGAGCAACATGGAGCGGCTGTGCACGCCAAGGCTCATGGGGTCCGAGTGATTGGCAGCTCCACC
TTGGCGCTCTGCTACTTGGCCTCGGGGGCTGCTGATGCCTATTACCAGTTCGGCCTCCACTGCTGGGATC
TGGCAGCTGCCACAGTCATCATCAGAGAAGCAGGTGGCATTGTGATTGACACCTCAGGTGGACCCCTTGA
CCTCATGTCGTGCAGAGTGGTGGCTGCTGGCACCCAGAGAGATGGCAGTGCTCATAGCTCAGGCCCTACAA
ACCATTAACACGGCCGGGACGATGAGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172224
Insert Size: 873 bp



[View online »](#)

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_172224.1 , NP_757378.1
RefSeq Size:	1341 bp
RefSeq ORF:	873 bp
Locus ID:	282636
UniProt ID:	Q8CIN7
Cytogenetics:	18q12.1
Gene Summary:	mouse homolog is an enzyme that catalyzes the synthesis of free myo-inositol from various myo-inositol monophosphates [RGD, Feb 2006]