

Product datasheet for MC212280

Impa2 (NM_053261) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Impa2 (NM_053261) Mouse Untagged Clone
Tag: Tag Free
Symbol: Impa2
Synonyms: 2210415D20Rik; AI326924; AW259601
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212280 representing NM_053261
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAAGCCGAGCAGCGAGGAAGAGGGAGAGTGGTGCAGGGCGTGGGCCCTGGGACGAGTGCTTCGAGG
 TGGCCGTGCAGTTGGCGCTGCGTGCGGGACAAATCATCAGGAAGGCCCTGACAGAGGAAAAACCGCTCTC
 TACAAAAACATCTGCTGCCGATCTTGTGACAGAAACAGATCACCGAGTAGAAGATTTAATTGTTTCTGAG
 TTGCGAAAGCGGTTTCCTTCACACAGGTTTCATTGCAGAAGAGGCCACAGCCTCCGGGGCCAAGTGTGTGC
 TCACCCACAGCCCGACCTGGATCATCGACCCCATCGACGGCACCTGCAACTTTGTGCACAGGTTCCCCAC
 TGTGGCAGTTAGCATCGGATTTGCTGTTACCAGGAGCTGGAATTTGGAGTGATTCACCACTGCACAGAG
 GAGCGGCTGTACACCGCAGGAGGGGCCAAGGCGCCTTTTGCAATGGCCAGCGGCTTCAGGTCTCCAGGG
 AGACAGATCTCGCAAAGGCTTGGTTCTGACAGAAATCGGGCCCAAACCGCACCCGATACTCTGAAAGT
 ATTCTGAGCAACATGGAGCGGCTGTGCACGCCAAGGCTCATGGGTCCGAGTGATTGGCAGCTCCACC
 TTGGCCCTCTGTTACCTGGCCTCAGGTGCAGCCGACGCCTATTATCAGTTGGCCTTCACTGCTGGGACC
 TGGCAGTGCCACAGTCATCATTAGAGAAGCAGGCGGCATTGTGATTGACACCTCAGGTGGACCCCTTGA
 CCTCATGTCGTGCAGAGTCGTAGCTGCTGGCACCAAGAGAGATGGCAGTGCTCATAGCTCAGGCCCTACAA
 ACTATTAACACTACGGCCGAGACGATGAGAAG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_053261
Insert Size: 873 bp



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| 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: | <u>NM_053261.2</u> , <u>NP_444491.1</u> |
| RefSeq Size: | 1386 bp |
| RefSeq ORF: | 873 bp |
| Locus ID: | 114663 |
| UniProt ID: | <u>Q91UZ5</u> |
| Cytogenetics: | 18 E1 |
| Gene Summary: | Can use myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates. Has been implicated as the pharmacological target for lithium Li(+) action in brain (By similarity).[UniProtKB/Swiss-Prot Function] |