

Product datasheet for RN216459

Impad1 (NM_001008772) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Impad1 (NM_001008772) Rat Untagged Clone
Tag: Tag Free
Symbol: Impad1
Synonyms: gPAPP; IMP 3; RGD1306455
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216459 representing NM_001008772
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCCATGGGCATCCGCCTGTCCCCGCTGGGGTGGCCGTATTTTTCTGCTGGGGCTCGGGGTGC
TCTACCATCTCTACTCGGGCTTCTGGCCGGCCGCTTCAGCCTCTTCGGCCTGGGCGCGAGCCGGCGGG
AGGGCGCGCCGAGGTGGCGGTGACGGGGCACGGTGGACCTGCGGGAGATGCTGGCGGTGGCAGTGCTG
GCGGCGGAGCGCGCGCGGACGAGGTGAGACGAGTCCGCGAGAGCAATGTCTCCACGAGAAGTCCAAGG
GGAAGACGCGCGAGGGCGCCGAGGATAAGATGACCAGCGCGACGTGCTGTCCAACCGCAAGATGTTTTA
CCTGCTCAAGACGGCCTTCCCCAACGTGCAGATAAATACTGAGGAACATGTAGATGCTTCTGACAAGGAG
GTCATTGTATGGAACCGTAAGATTCCTGAGGACATCCTGAAGGAAATAGCTGCTCCTAAGGAGGTACCAG
CAGAAAGTGTGACTGTCTGGATTGACCCACTTGATGCTACACAGGAATACACAGAGGATCTTCGAAAGTA
TGTCACCTACCATGGTGTGTGTAGCTGTGAATGGCAAACCTGTGCTAGGAGTTATTCATAAGCCATTTTCT
GAATATACAGCTTGGGCAATGGTCGACAGTGGTCCAATGTGAAAGCCCGCTTCTCTACAACGAGAAGA
CCCCAAAATCATTGTGCTCGCTCTCATGCAGGAATGGTCAAACAGGTTGCTCTTCAGAGCTTTGGAAA
CCAGACTTTAATCATCCCGCTGGTGGTCTGGTTATAAGGTTTTAGCCCTCTTGATGTACCTGATATG
ACTCAAGAAAAAGCAGATCTATATTCATGTGACGTACATCAAAAAGTGGGATATATGTGCTGGCAATG
CTATCTTAAAAGCCCTTGGCGGGCATATGACCACTCTGAGTGGTGAAGAGATCAGTTATACTGGGTCTGA
CGGCATTGAAGGGGACTCCTTGCTAGCATCAGAATGAACCACCAAGCTTTGGTCAGAAAACCTCCGGAT
TTAGAAAAGTCGGGTCAT**TAG**

ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008772



Insert Size:	1071 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001008772.2</u> , <u>NP_001008772.2</u>
RefSeq Size:	6401 bp
RefSeq ORF:	1071 bp
Locus ID:	312952
UniProt ID:	<u>D4AD37</u>
Cytogenetics:	17q12.3
Gene Summary:	May play a role in the formation of skeletal elements derived through endochondral ossification, possibly by clearing adenosine 3',5'-bisphosphate produced by Golgi sulfotransferases during glycosaminoglycan sulfation.[UniProtKB/Swiss-Prot Function]