

Product datasheet for **MC207930**

Impad1 (NM_177730) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Impad1 (NM_177730) Mouse Untagged Clone
Tag: Tag Free
Symbol: Impad1
Synonyms: 1110001C20Rik; AA408880; AI451589; AL022796; B230207P20; gPAPP; Jaws
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207930 representing NM_177730
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCCATGGGCATCCGCCTGTCCCCGCTGGGGTGGCCGTATTTTTCTGCTGGGGCTCGGGGTGC
TCTACCACCTCTACTCGGGCTTCTGGCCGGCCGCTTCAGCCTCTTCGGCCTGGGCAGCGAGCCGGCGGC
AGGGGAGGCCGAGGTGGCGTCCGACGGGGCACGGTGGACTGCGCGAGATGCTGGCCGTGGCCGTGCTG
GCGGCCGAGCGCGCGGCGACGAGGTGAGCGGGTCCGCGAGAGCAATGTCTTACGAGAAGTCCAAGG
GGAAGACGCGCGAGGGCGCCGATGATAAGATGACCAGCGCGACGTAAGTCCAACCGCAAGATGTTCTA
CCTGCTCAAGACGGCCTTCCCAACGTGCAGATAAATACTGAGGAACATGTGGATGCCTCTGACAAGGAG
GTCATTGTATGGAACCGGAAGATTCCTGAGGACATCCTGAAGGAAATCGCTGCTCCTAAGGAGGTACCAG
CAGAAAGTGTGACAGTTTGGATTGACCCACTTGATGCTACACAGGAATACACAGAGGATCTTCGAAAGTA
TGTCACTACCATGGTGTGTAGCTGTGAATGGCAAACCTGTGTTAGGAGTTATTCATAAGCCATTTTCT
GAATATACAGCTTGGGCAATGGTAGATGGTGGTCAAATGTGAAAGCCCGTTCTTCTACAATGAGAAGA
CCCCAAAGATCATTGTGCTCGCTCATGCAGGAATGGTCAAACAGGTTGCTCTTCAGAGCTTTGGAAA
CCAGACTTCAATTATCCAGCTGGGGTGTGGTTATAAAGTTTTAGCACTCTTGGATGTGCTGATATG
ACTCAAGAAAAAGCAGATCTATATATTCATGTGACATACATAAAAGTGGGATATATGTGCTGGCAATG
CCATCTTAAAAGCCCTTGGTGGCCATATGACCACTCTGAATGGAGAAGAGATCAGTTACACTGGGTCTGA
TGGCATTGAAGGGGACTTCTTGTAGCATCAGAAATGAACCACCAAGCTCTGGTCAGAAAACCTCCGGAT
TTAGAAAAGTCAGGACAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177730



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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).
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_177730.3, NP_808398.1</u>
RefSeq Size:	4636 bp
RefSeq ORF:	1071 bp
Locus ID:	242291
UniProt ID:	<u>Q80V26</u>
Cytogenetics:	4 A1
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]