

Product datasheet for **SC102461**

IMPAD1 (AK090988) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IMPAD1 (AK090988) Human Untagged Clone
Tag:	Tag Free
Symbol:	IMPAD1
Synonyms:	GPAPP; IMP-3; IMP 3; IMPA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC102461 sequence for AK090988 edited (data generated by NextGen Sequencing)

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ATGTTTTATGGGAAGCTGATTTAATGGGAAGCAAAGCTAGTTCATATTAGCAGGAATTAT
TTTATTTTTTCGAGACAGAGTTTCACTCTCGTTGGCCAGGCTGGAGTGCAATGGCGTGAT
CTCGGCTCACCGAACCTCTGCTCCCGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCA
AGTAGCTGGGATTACAGGCATACACCACACCCAGCTAATTTTTTTGTATTTTTGTTA
GAGACAGGTTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGGTGATCCG
CCCACCTCGGCTCCCAAAGTGATGATTTATTTTTATTTTTAATTGTATTAATCTGCAT
CTAGATAATGACTTTGTGAAGGGTGTGTGTTGTGTGCAAACTAAGGTATTGGTTGAGA
GTTAAATACATTATTTTTATAATATGTTGGGTATAG
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Clone variation with respect to AK090988.1

5' Read Nucleotide Sequence:

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>OriGene 5' read for AK090988 unedited
CGGCCGGAATTCGGCACGAGGAGAGATGGCAAAGGTATATGCTGTTGCCAGAGTCCTGT
GGTATAAGCATCTGTTTTATTATAGTATGTCAAAGTTAGGAAATGGGACTGGCAAGTA
AAAAATGGAATTTAATTTCAATGTTTTATGGGAAGCTGATTTAATGGGAAGCAAAGCTAG
TTCATATTAGCAGGAATTATTTTTTTTTTCGAGACAGAGTTTCACTCTCGTTGGCCAGG
CTGGAGTGCAATGGCGTGATCTCGGCTCACCGAACCTCTGCTCCCGGTTCAAGCGAT
TCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCATACACCACACCCAGCTA
ATTTTTTTGTATTTTTGTTAGAGACAGGTTTTCTCCATGTTGGTCAGGCTGATCTCGAAC
TCCCGACCTCAGGTGATCCGCCACCTCGGCTCCCAAAGTGATGATTTATTTTTATTT
TTAATTGTATTAATCTGCATCTAGATAATGACTTTGTGAAGGGTGTGTGTTGTGTGCAAA
ACTTAAGGTATTGGTTGAGAGTTAAATACATTATTTTTATAATATGTTGGGTATAGTCTA
GTTACTAATGATTTTTTTAAGTACTTTTTATAAAAAGTTCATTTTTAAAATTGTTGTTT
TTAAAAGCCAATATACGTTGCAGAATTAGGAACAGTATTTATATTTATTTACCACAGACA
TTGTGCCATAGCATN
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Restriction Sites:	NotI-NotI
ACCN:	AK090988
Insert Size:	4700 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:	AK090988.1 , BAC03563.1
RefSeq Size:	2106 bp
RefSeq ORF:	2106 bp
Locus ID:	54928
Cytogenetics:	8q12.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the inositol monophosphatase family. The encoded protein is localized to the Golgi apparatus and catalyzes the hydrolysis of phosphoadenosine phosphate (PAP) to adenosine monophosphate (AMP). Mutations in this gene are a cause of GRAPP type chondrodysplasia with joint dislocations, and a pseudogene of this gene is located on the long arm of chromosome 1. [provided by RefSeq, Dec 2011]