

Product datasheet for **MC221682**

Impg1 (NM_022016) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Impg1 (NM_022016) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Impg1
Synonyms:	A930015H12Rik; IMP150; SPACR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221682 representing NM_022016
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATTTGCAAATTAACATGCTATCTTTGTTTTGGGATTTTTCTCCAAGTTCAAGGAATCAAAGATA
 CCTCTATTAATAATTCAGTTCTGAAATTAATAACATAGACAAAACCCCAAGAATCGAAACAATTGAAAG
 TACTTCAACAGTGCACAAAGTGCAACCATGAAACGAATATTCGATTTGCCAAAGCTTCAACCAAAAAGA
 TCAGCACTTTCCAGCTGCTAACATCTGTCCACAGGAATCCTTGAGACAGATTTTAGCAAGTCTTCAAG
 AATATTATAGACTGAGAGTATGTCAAGAAGTCGTGTGGGAAGCATATCGTATCTTTCTGGACCGAATTC
 TGACACAGAGGAATCAAGACTGGGTGAGCCTCTGCCAGAAAGAAACCTTCTGCCTCTTTGACATTGGG
 AAAAATTCAGCAACTCCAGGAGCACCTAGATCTTCTCAGCAGAGAATAAAACAGAGAAGCTTCCCTG
 GGAGGAAAGATGAGACAGCCTCCATGGAGACACTGGAAGCACCTACTGAAGCCCCGTGGTACCCACAGA
 TGTTTCCAGGATGTCCCTGGGGCCCTTCCCACTTCTTCTGATGACACAGACCTCAAGGAGATTCTCAGT
 GTCACCCTCAAGGACATTCAAAAGCCACAACAGAAAGTAAAACAGAACCTATTCATGTGTCTGAATTTCT
 CATCAGAGGAGAAGGTGGAATTCAGCATCTCTCTGCCAAACCACAGGTTCAAGGCAGAGCTCACCAACTC
 TGGGTCACTACTACCAGAACTGGTGGGACAGTCCCACTGCAGTTGCAAAAGATATTTAAGAAACTT
 CCAGGATTCGGAGAAATCCGTGTATTAGGATTTAGACCAAGAAAGAAGAAGATGGTTCAAGCTCCACAG
 AAATACAGCTTATGGCCATCTTTAAGAGGGACCATGCAGAAGCAAAAAGCCCTGATAGTCATCTACTGTC
 TCTTGATTCACAAAATGAAAGTGAAGAATCCATCATGGAGTCATAGAAGACAAACAACCAGAAACC
 TACCTCACAGCTACAGACCTCAAAAACATCATACAACACTACTAGATGGAGACCTGTCTTGGTAGAAG
 GGAAAATTCATTCCGTGATGAAGTACTGGGACACTTTCAGACCTGTCACTGAACAGATCTGCCAA
 GCCCTTGCTGATGTACAGAGGATGCCACTTTGAGTCCAGAACCTTCTTTCGTTGAGCCTAGGCTTGAG
 GCAGTGGACAGAGAAGGATCTGAGCTGCCTGGAATGTCTCCTCAAAGACAGTTCTTGGTCTCCACCTGTAT
 CAGCCTCAATTTCCCGATCAGAAAATCTACCTTCGTTTACACCTAGCATCTTCTCTCTAGATGCTCAAAG
 CCCCCCTCCCTTGATGACCACTGGCCCAACAGCACTCATCCCCAAGCCCACTCTCCCCACTATCGATTAT
 TCTACCATCCGCCAATTGCCTCTGGAATCGTCACATTGGCCTGCATCCTCCAGTGACAGAGAGCTGATCA
 CAAGCAGCCATGACACAATCCGAGACCTAGATGGCATGGATGTGTCTGACACGCCAGCCTTGTGAGAAAT
 ATCAGAAGTGAAGTACGATTCTGCCTCGGGTCAGTCTTGGAGATGACCACACCCATCCCAACAGTA
 CGGTTTCATCACCACCAGCTCCGAGACCATTGCCACCAAGGGCCAGGAGCTAGTGGTATTCTTCAGCCTGC
 GTGTTGCTAACATGCCGTTCTCCTATGACCTGTTCAACAAGAGTTCTCTGGAGTATCAAGCCCTGGAACA
 ACGATTACAGACCTGCTGGTTCCTATCTACGATCGAATCTTACGGGATTTAAGCAACTGGAAATACTC
 AGCTTCAGAAACGGAAGTGTGATCGTGAACAGCAAAGTGCAGTTTGCAAAAGGCGGTACCCTACAACCTCA
 CCCAGGCCGTGCGCGGGGTCTTGGAGGATCTTCGGTCCACCGCAGCTCAAGGGCTCAATCTGGAAATCGA
 AAGCTACTCCCTCGACATTGAACAGCTGATCAGGCGGATCCCTGCAAACCTCTAGACTGTGGCAAATTT
 GCCCAGTGTGTAAGAATGAGTGGACAGAGGAAGCAGAGTGTGCTGCAGACAGGGACATGAGAGCCACG
 GGACCTGGACTACCAGACCTGAACCTCTGTCCCTGGAAAGACTTGTGTGGCCGGCCGAGAACAAGC
 AACTCCATGCAGGCCACCAGATCACTCTACAAACCAAGCTCAGGAACCTGGTGTTAAAAAGCTACGTCAG
 CAAAATAAGGTAGTCAAGAAAAGAAATTTAACTATCAGCTATAGGATTTGAAGAATTTGAAGACCAGG
 ACTGGGAGGGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022016
Insert Size: 2397 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:	NM_022016.3 , NP_071299.3
RefSeq Size:	3587 bp
RefSeq ORF:	2397 bp
Locus ID:	63859
UniProt ID:	Q8R1W8
Cytogenetics:	9 43.99 cM
Gene Summary:	May interact with hyaluronan which may serve to form a basic macromolecular scaffold comprising the insoluble interphotoreceptor matrix.[UniProtKB/Swiss-Prot Function]