

Product datasheet for **RN203852**

Impg2 (NM_139088) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Impg2 (NM_139088) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Impg2
Synonyms:	Pg10.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203852 representing NM_139088 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATTATGTTTCTCCCTTTGGGGAGGATTTCTCTGGGCATTTTGATACTTTTCTGACAGGAGGAAACC
TTGTATCAGTCTCAGAAGAGATACAAGACCGCATGCATGCAGTTGCTGTCCTCTCACCTAAGGAGTCAAC
AGACCTTTCCCTGCCTACCAGGAAGAGACAGCTTTTGGATGCCACAGAGACTGGAAGGAGGTGGCCGCTT
AGAAGGCGACGATCTATTCTGTTCCAAATGGAGTAAGAATTTGCCCCAGTGACACTGTTGCAGAGGCTG
TGGCAAACCATGTGAAGTATTTAAAGCCGAGTGTGCCAGGAAGCCATCTGGGAAGCCTTCAGGACATT
TTGGGACCGACTTCTGGGCGTGAGGAATATCAATACTGGATGAACCTATGTGAGGATGGAGTCACAAGT
GTATTTGAAATGGGCACCCAGTTTAGTCAATCTGTGGAACACAGACACTTAATCATGGAGAAATTGACAT
ACACAAAGGAAGCTGAGAGCAGCTCCTGCAAGGATCAGGCCTGTGGACCTGAGTTGTCTCCAGTTCC
TATTGGCGAGACCTCAACATTGGCAGGTGCTGTCTCCAGTGCTTCTATCCAGGGCGGCCCTCAGAGAGA
AGCGCGGCATCACCACAGGAGAGTATCAGCAATGAAATTGAGAATGTGACAGAGCAGCCACACCGCCAG
CTGCTGAACAGATAGCTGAATTCAGCATCCAACCTCTGGGAAGCAGTACAGCGAAGAACTGCGGGATCC
CTCCAGCGCCCTTACCGGCTCCTTGTGGAAGAGTTTATTTAGAGGTTGAAAAAGCTTTACAGGGTTA
CCTGGCTACAAGGCATCCATGTTCTGGATTTTCAGGTCTCCAAAGGAAATGGCAGTGGGATAGATGTTT
ACTATGCAGTTACTTTCAACGGCGAGGCCATCAGCAATACCACCTGGGACCTCATAAGCCTTCACTCCAA
CAAGGTGGAGAACCATGGCCTTGTAGAGCTGGATGATAAACCACGGCCCTCTATACGATCAGTAACCTT
AGAGATTATATCGCTGAGACACTGCACCAGAATTTTTAATGGGAAATCTTCTTTGAATCCAGATCCCA
AGTCTCTCCAGCTTATCAATGTGAGAGGAGTTCTGCTCCCCAAACGGAAGAAATAGTTTGAACACCCA
AAGTTCAAGTCTTCAGGTGACAACGTCTCTATTCTGGATAATACCCTGCAAGCTGAATGGCTCTCAGCA
GATGAATCCATCACCACCACCACCACCACCTATTTACCATTTGGTTTCAGCTCCGGTCTCCCTCAG
CCACTGGCAGGGAACCTCATTAGAAAGTACTTTGGGTGACATAGTGTCTACACCAAGTTAGCTTCTCC
CTCGAAGGTGGTCTCAGTTCTTCCCCAGAGGTTTAGGGGGTAGCAGCTTGACTCTTCATTCTGTTACC



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CCAGCAGTGCTTCAGATTGACCTGCCTGTGGCTCCTGAGGGAAGGACTTCTGGATCTTCCATATTAGAAG
ACGACAACACAGAAGAATCAGAAGATGTTTCTATTGATGTATTGCCTTCAAGCTCATTAATTCACCTGT
GCCAAAAGAAACAGTACCACCATGGAAGACTCTGACATGATTCTCCTGACATCCTCACCACATCTGACC
TCTTCTGTTATAGAAGACCTTGCTAAAGACATAACGACACCTTCTGGCTTGGACTCCTTGGCTTCCAGAG
TCTCAGACAAGTTGGAAGTGAGCCCATGGTTTCCAGACACCTCTGTGGAAAAAGAGTTTCATTTTGAAG
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AAAAATTACATATGTATTTACAGAACAATGATTGAACCTTCAGCACATAGATATGGAGATGGACCCAT
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CCTTCTTACTGGCAACTATAGCAAACACTGCTTCCACCAAGGAAACAGATGAGGTGAATACCCTCTTAA
AAAAGGTATGGTACAAACAGAACCATCCAGTCCCAAAGGACTTGACAGCAAGATTTAGTAGCAAGGCCA
GATATGCAGCCTGTGTGGACATTTTCCAGAATCAGATACAGTTTGGGCGAGGACTTCTCCTTAGGGA
AATTGTCCAGGGACACATTGGTGAGTACACCAGAGAGCGCTGACAGACTCTGGTTGAAGGCTCCATGAC
ACAGCCCCTGAATTGCCTCCATCCACCACTCCATCCAGCTAGAGGATGAAGTTATAATGGCTGTCCAG
GATATTTTCATTAGAACTAGACCAGGTAGGCACGGATTACTATCAGCCTGAGCTAACCCAAGAACAATG
GCAAGGTTGATAGCTATGTGAAATGCCTACCCATGTTCACTACACAGAGATGCCTCTTGTAGCTCAGCC
CACAAAAGGCGGTGTCTTGAGTCGACCCAGACTGCAGGAGCTTTGGTGGTTTTCTTTCAGCCTCCGAGTG
ACAAACATGTTGTTTTCAGAAGACCTGTTTAAACAAAACCTTTTGGAGTATAAAGCCCTGGAGCAAGAT
TCTTAGAACTGCTGGTCCCTATCTCCAGTCAAATCTGTCAGGGTTCCAGAACTTAGAGATCCTGAACTT
CAGAAATGGCAGCATTGTGGTGAACAGCAGGGTGAAGTTGCGCGAGTCTGTCCCTCTAATGTCAACAAC
GCCATATATGATTCTGGAAGACTTTTGTACCACCGCTACCAAACCATGAACCTGGATATTGATAAGT
ACTCCCTGGATGTGGAATCAGGTGATGACGCCAACCTTGCAAGTTTCAGGCCTGTAATGAATTTCTGA
ATGTTTGGTAAATCCATGGAGTGGAGAAGCAAAGTGCAAATGCCACCTGGGTACCTGAGTGTGGATGAA
CTGCCTTGTCAAAGTGTCTGTGACCTACAGCCTGACTTCTGCTTGAATGATGGAAGTGTGACGTTATGC
CTGGACATGGAGCCATTTGTAGATGCCGGTGGTTCAAATTGGTGGTATCGAGGCCAACACTGTGAGGA
GTTTGTGTCTGAGCCCTTTGTATAGGCATCACGATAGCCTCAGTGGTTAGCCTTCTCCTTGTGCTTCT
GCTGTCGTTTTCTCCTTGCGAAGATGCTTCAAGCTCAGAATGTCAGGAGAGAAAGGCAGCGCCTACCA
ACAGGCAGCCTGACAGCCTGTCTCTGTTGAGAATGCTATGAAGTACAACCTGCATACGAGAGCCGCTT
GGCTGGATGTGAACAGTATGAGAAACCTATAGCCAACACCTTTCTATAGCTCTGCTAGTGAAGAGGTG
ATTGGTGGTCTGAGCAGAGAAGAAATCAGACAGATGTATGAAAGCAGCGACCTTTCCAAAGAGGAAATTC
AAGAGAGAATGAGGATTTTGAAGTCTATGCTAATGATCCGAGTTTGCAGCTTTCGTGAGAGAGCATGA
GATGGAGGAGCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_139088
Insert Size:	3726 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:

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_139088.2](#), [NP_620788.2](#)

RefSeq Size: 4370 bp

RefSeq ORF: 3726 bp

Locus ID: 245919

Cytogenetics: 11q12

Gene Summary: may play a role in cell adhesion, growth, and differentiation of pineal and retinal photoreceptor cells [RGD, Feb 2006]