

Product datasheet for **SC303046**

IMPG1 (NM_001563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IMPG1 (NM_001563) Human Untagged Clone
Tag:	Tag Free
Symbol:	IMPG1
Synonyms:	GP147; IPM150; SPACR; VMD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC303046 representing NM_001563.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTATTTGGAAGCTAGAAGAGCTATTTTGTGTTTTTGGATTTTCTCCAAGTTCAAGGAACCAAGAT
ATCTCCATTAACATATACCATTTGAACTAAAGACATAGACAATCCCCAAGAAATGAAACAAGTGA
AGTACTGAAAAAATGTACAAAATGTCAACTATGAGACGAATATTCGATTTGGCAAAGCATCGAACAAAA
AGATCCGCATTTTCCCAACGGGGTTAAAGTCTGTCCACAGGAATCCATGAAACAGATTTTAGACAGT
CTTCAAGCTTATTATAGATTGAGAGTGTGTGAGGAAGCAGTATGGGAAGCATATCGGATCTTTCTGGAT
CGCATCCCTGACACAGGGGAATATCAGGACTGGGTGAGCATCTGCCAGCAGGAGACCTTCTGCCTCTTT
GACATTGGAAGAACTTCAGCAATTCAGGAGACCTGGATCTTCTCCAGCAGAGAATAAACAGAGA
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GTGCCGTATAACCTCACCAGGCTGTGACGGGGTCTTGGAGGATTTTCGTTCTGCTGCAGCCCAACAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_001563
Insert Size: 2394 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001563.3</u>
RefSeq Size:	3576 bp
RefSeq ORF:	2394 bp
Locus ID:	3617
UniProt ID:	<u>Q17R60</u>
Cytogenetics:	6q14.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	89.4 kDa
Gene Summary:	This gene encodes a protein that is a major component of the retinal interphotoreceptor matrix. The encoded protein is a proteoglycan that is thought to play a role in maintaining viability of photoreceptor cells and in adhesion of the neural retina to the retinal pigment epithelium. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).