

Product datasheet for **MR211845**

Impg2 (NM_174876) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Impg2
Synonyms:	IPM200; PG10.2; Rsbp; Spacrcan
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR211845 representing NM_174876
Red=Cloning site Blue=ORF Green=Tags(s)

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211845 representing NM_174876

Red=Cloning site Green=Tags(s)

MIMFLPVGRMSLGILILFLTGGLVSAEERQEPMAVSVLSPEKSTDLSPTRKRQLLDATETGRRWLL
RRRRSILFPNGVKICSSSETVAEAVANHVKYFKARVCQEAWEAFRTFWDRLPGRDEYRHWMLCEDGVTS
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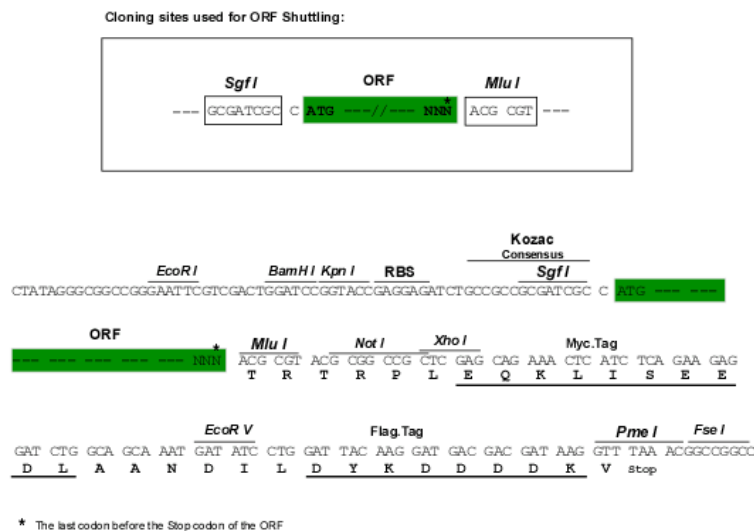
Chromatograms:

https://cdn.origene.com/chromatograms/mm9011_f04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

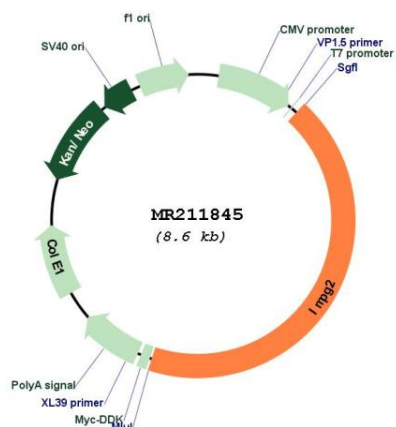
NM_174876

ORF Size:

3729 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_174876.3 , NP_777365.2
RefSeq Size:	6992 bp
RefSeq ORF:	3732 bp
Locus ID:	224224
UniProt ID:	Q80XH2
Cytogenetics:	16 C1.1
MW:	138.6 kDa
Gene Summary:	Chondroitin sulfate- and hyaluronan-binding proteoglycan involved in the organization of interphotoreceptor matrix; may participate in the maturation and maintenance of the light-sensitive photoreceptor outer segment. Binds heparin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211845