

Product datasheet for **MG208930**

Gpc6 (BC023448) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpc6 (BC023448) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpc6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208930 representing BC023448
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCCTTCTTGGATCCGGGCTGTGATTCTTCTCTCTCCGGGCTGCTGCTGACCTCCCGGCCGCGCGG
 ACGTGAAGGCTCGGAGCTGCAGCGAGGTCGTCAGGCTTACGGTGCCAAGGGATTACGCCTGGCGGACAT
 CCCCTACCAGGAGATCGCAGGGGAGCACTTACGCATCTGCCCTCAGGAATATACCTGCTGCACCACAGAA
 ATGGAAGACAAGCTGAGTCAACAGAGTAACTGGAGTTTGAAACCTTGTAGAAGAGACAAGCCACTTTG
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 GGAATCTTCGGCCTCGAAGTTCAGCTCCTCTGATTTCCTGGTCTCTGGTCTGCATGGTCTTGGCCCTG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

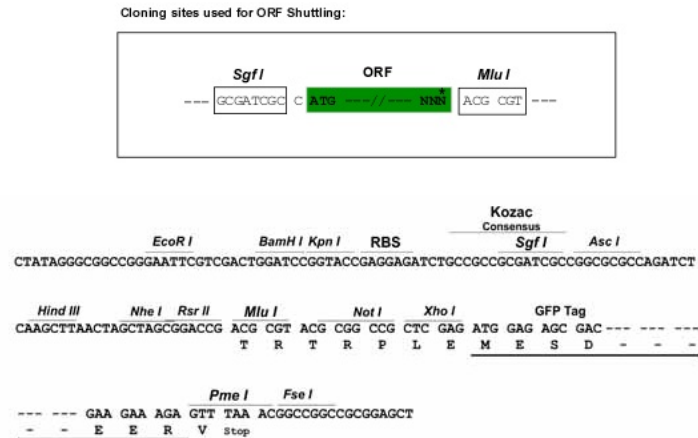
>MG208930 representing BC023448
 Red=Cloning site Green=Tags(s)

MPSWIRAVILPLSGLLLTLPAADVKKARSCSEVRQAYGAKGFLADIPYQEIAGEHLRICPQEYTCCTTE
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 DLFTELKRYTGGNVNLEMLNDFWARLLERMFQLINPQYHFSEDYLECVSKYTDQLKPGDVPRLKLIQ
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 RVTAGTSNEEECWNGHAKARYLPEIMNDGLTNQINNPEVEVDITRPDTFIRQQIMALRVMTNKLKNAAYNG
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 QRLYR

TRTRPLE - GFP Tag - V

Restriction Sites:

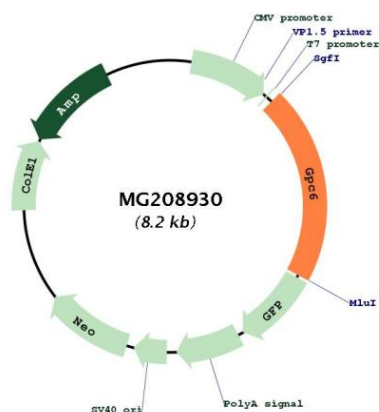
Sgfl-MluI

Cloning Scheme:


ACCN:	BC023448
ORF Size:	1695 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:	BC023448 , AAH23448
RefSeq Size:	2100 bp
RefSeq ORF:	1697 bp
Locus ID:	23888

Cytogenetics:	14 E4
Gene Summary:	Cell surface proteoglycan that bears heparan sulfate. Putative cell surface coreceptor for growth factors, extracellular matrix proteins, proteases and anti-proteases. Enhances migration and invasion of cancer cells through WNT5A signaling (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208930