

Product datasheet for **MG206447**

Gprc5b (NM_022420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprc5b (NM_022420) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gprc5b
Synonyms:	AW125761; Raig2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206447 representing NM_022420 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTGGTGTAGAGAGAAAGATGAGAACCCATCAAGTGTTCCTTGCCCCGCTCCTGGTGATTG
CCTCCGTGGCTTACAGAGAACGCCAGCACGTCCCGGGCTGTGGACTGGACCTTCTCCTCAGTACGTGTC
CCTGTGCGACCTGGACGCCATCTGGGCATCGTGGTGGAGGCAGTGGCCGGGGCGGGGCCCTGATCACA
CTGCTTCTGATGCTCATTCTCCTAGTGAGACTACCCTTCATCAAGGACAAGGAAAGGAAAGCGCCCTGTGT
GCCTCCATTTCTTCTTCTGCTGGGACCTGGGCCTTTTGGCCTGACGTTTGCCTTCATCATCCAGAT
GGACGAGACAATCTGCTCCATCCGACGCTTCTCTGGGGTGTCTCTTCGCGCTCTGCTTTCTGCCTG
CTGAGCCAGGCGTGGCGGGTGGCGAGGCTGGTGCAGGACCAAGCCCGCCAGCTGGCAGCTGGTGA
GCCTGGCACTGTGCCTGATGCTGGTGCAGGTATCATTGCCACTGAGTGGCTGGTGTGACTGTGCTGCG
TGACACGAAGCCAGCCTGCGCCTACGAGCCATGGATTTGTGATGGCGCTCATCTACGACATGGTGTG
CTGGCCATCACCTGGCCAGTCCCTCTCACGCTGTGTGGCAAGTTCAAACGGTGAAGGTGAACGGAG
CCTTATCCTCGTCACTACCTTCTCTGCGCTCATCTGGTGGTCTGGATGACCATGTACCTCTTCGG
CAACTCATTAAATTAAGCAGGGAGATGCCTGGAGCGACCCACCTTGCCATTACTGGCAGCCAGCGGA
TGGGTCTTTGTGATCTTCCATGCCATTCGGAGATCCACTACACCCTTCTCCACCCCTGCAGGAGAACC
CACCCAACACTTTCGACACTTCACAGCCAGGATGCGGGAGACAGCATTGATGAGGAAATGCACCTGCC
TCGGGCCATACATGGAGAACAAGCCTTCTCAATGGATGAACATAACGCAGCTCTCCGATCAGCAGTGGC
TTTTCCAATGGAAGCTTGGAGCAAAGATCTAGCAGCCTGGGAAAGAAGCCAGCAGCTTGGGAAACCGGC
CCAGTGCACCGTTCAGAAGCAATGTGTATCAGCCGACCGAGATGGCCGTCGTGCTCAATGGAGGGACTAT
CCCAACTGCTCCGCCATCTCACACGGGAAGACACCATTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206447 representing NM_022420
 Red=Cloning site Green=Tags(s)

MFLVLERKMRTHQVFPPLLLLVIASVASENASTSRGCGLDLLPQYVSLCDLDAIWGIVVEAVAGAGALIT
 LLLMLILLVRLPFIKDKERKRPVCLHFLFLLGLGLFGLTFAFI IQMDEITCSIRRFLWGVLFALCF SCL
 LSQAWRVRRLLVRQGTSPASWQLVSLALCLMLVQVIIATEWLVLTVLRDTPACAYEPMDFVMA LIYDMVL
 LAITLAQSLF LTL CGKFKRWKVN GAFILVTTFLSALIWVWMTMYLFGNSLIKQGD AWSDP TLAITLAASG
 WVFVIFHAIPEIHYTLLPPLQENPPNYFDTSQPRMRETA FDEEMHLP RAYMENKAF SMDEHNAALRS AVG
 FSNGLSLEQRSSSLGKKPSSLGNRPSAPFRSNVYQPTEMAVVLNGGTIPTAPPSHTGRHHW

TRTRPLE - GFP Tag - V

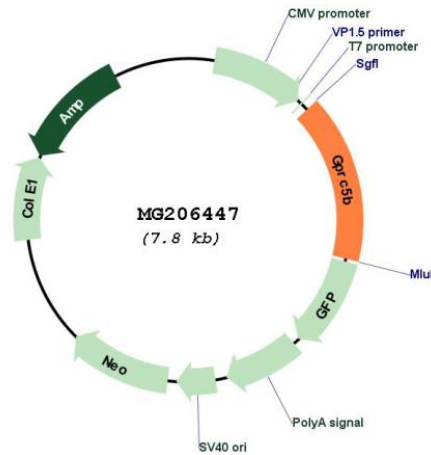
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022420

ORF Size:	1230 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:	<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_022420.2
RefSeq Size:	4488 bp
RefSeq ORF:	1233 bp
Locus ID:	64297
UniProt ID:	Q923Z0
Cytogenetics:	7 F2
Gene Summary:	Unknown. This retinoic acid-inducible G-protein coupled receptor provide evidence for a possible interaction between retinoid and G-protein signaling pathways (By similarity). [UniProtKB/Swiss-Prot Function]