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Product datasheet for MG220373

Gprc5d (NM_053118) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprc5d (NM_053118) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gprc5d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG220373 representing NM_053118
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATGAGGACTGCGTGAAGTCCACAGAAGACTATTACCTCTTCTGTGACAACGAGGGGCCATGGGCCA
TTGTTCTGGAGTCCTTGGCAGTGATTGGCATAGTGGTTACCATATTGCTACTCCTGGCATTTCTGTTCCT
CATGCGGAAGGTTCAGGACTGCAGCCAGTGGAACGTGCTTCCCACTCAGTTCCTCTTCCTGCTGGCTGTG
CTCGGGCTCTTCGGACTTACTTTTGCCTTCATCATCCAACTCAACCATCAAACTGCCCCTGTTCGCTACT
TCCTCTTTGGGGTTCTCTTTGCTATCTGCTTCTCCTGCCTCCTGGCTCATGCCTCCAACCTGGTGAAGCT
GGTCCGGGGTAGAGTCTCCTTCTGCTGGACAACAATTCTGTTCATTGCTATCGGTGTCAGCCTGTTGCAG
ACCATCATTGCGATAGAGTATGTGACCCTCATCATGACCAGAGGCTTGATGTTCGAGCATATGACACCGT
ATCAGCTCAATGTGGACTTTGTCTGTCTCCTGATCTATGTCCTCTTCCTGATGGCCCTCACTTTCTTCGT
CTCCAAGGCCACCTTCTGTGGCCCATGTGAGAATTGGAAACAGCACGGAAGGCTCATATTTGCCACTGTG
CTGGTCTCTATCATTATCTGGGTGGTGTGGATCTCCATGCTCTTGAGAGGCAACCCCCAGCTCCAGCGAC
AGCCCCACTGGGATGATGCAGTCATCTGCATTGGCCTGGTCACCAACGCTTGGGTCTTCCTGCTGATCTA
CATCATCCCTGAGCTGAGCATACTCTACAGGTCATGTAGGCAGGAGTGTCCTACGCAAGGCAACGTCTGC
CAGGTCCCTGTCTACCAACGCAGCTTCAGGATGGATACCCAGGAACCCACCAGAGAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

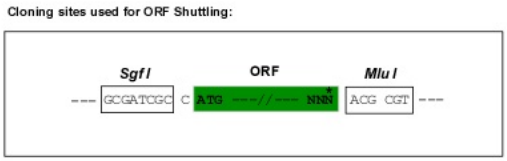
>MG220373 representing NM_053118
Red=Cloning site Green=Tags(s)

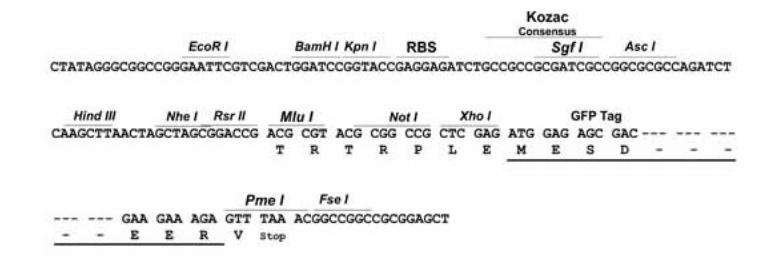
MYEDCVKSTEDYYLFCDNEGPWAIVLESLAVIGIVVTILLLLAFLFLMRKVQDCSQWNVLPTQFLFLLAV
LGLFGLTFAFIIQLNHQTAPVRYFLFGVLFAICFSCLLAHASNLVKLVRGRVSFCWTTILFIAIGVSLLQ
TIIAIEYVTLIMTRGLMFEHMTPYQLNVDFVCLLIYVLFLMALTFFVSKATFCGPCENWKQHGRLIFATV
LVSIIIWVVWISMLLRGNPQLQRQPHWDDAVICIGLVTNAWVFLLIYIIPELSILYRSCRQECPTQGNVC
QVPVYQRSFRMDTQEPTREC

TRTRPLE – GFP Tag – V

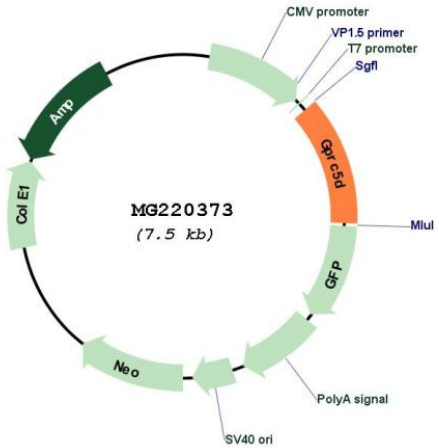
Restriction Sites: SgfI-MluI

Cloning Scheme:





Plasmid Map:



ACCN: NM_053118

ORF Size: 900 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
RefSeq:	NM_053118.1, NP_444348.1
RefSeq Size:	1324 bp
RefSeq ORF:	903 bp
Locus ID:	93746
UniProt ID:	Q9JIL6
Cytogenetics:	6 G1