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Product datasheet for RG200072

FAM53C (NM_016605) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM53C
Synonyms:	C5orf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG200072 representing NM_016605
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATAACCCTGATCACTGAGCAGCTACAGAAGCAGACTCTGGATGAGCTGAAATGCACACGCTTCAGCA
TCAGTCTGCCTTTGCCTGATCATGCAGACATCTCCAACTGTGGGAACTCTTTCCAGCTTGTGTCTGAAGG
TGCTTCCTGGAGGGGCCTGCCCCACTGTTCCTGTGCTGAGTTCCAGGACAGCCTCAACTTCAGCTACCAT
CCCTCAGGCCTGAGCCTGCACCTCAGACCACCCAGTCGGGGAAACTCCCCCAAGGAGCAGCCCTTCTCCC
AAGTCCTAAGACCTGAGCCCCCAGATCCAGAGAAGCTTCCTGTGCCCCCTGCCCCTCCATCCAAGAGGCA
CTGCCGCTCACTCTCAGTGCCCGTGGACCTGTCTCGCTGGCAGCCGGTGTGGCGGCCCGCCCCCTCCAAG
CTGTGGACTCCCATAAAGCACCGGGGCAGTGGTGGAGGGGGTGGGCCGCAGGTGCCTCACCAGAGCCCCC
CAAAGCGGGTCTCCAGCCTCAGGTTCCTCCAAGCTCCCAGTGCCTCTTCTCAATGTGCCCCAGCTCACAG
ACCCTACAGCCCTCCTTTCTTCAGCCTGGCCCTGGCCCAAGATTCCTCTCGACCCTGCGCCGCCTCCCCT
CAAAGTGGCTCCTGGGAGAGTGATGCTGAGTCCTTGTCACCTTGCCCACCTCAGCGCCGCTTCTCCCTGT
CACCCAGTCTGGGCCCGCAGGCAAGCCGCTTCTTGCCCTCTGCCCGGAGCTCTCCCGCATCCTCCCCAGA
GCTGCCCTGGCGACCTCGAGGTCTCCGCAACCTTCCCCGAAGCCGCTCACAGCCTTGTGATCTGGATGCC
CGCAAAACTGGGGTCAAGCGGCGCCACGAGGAAGACCCCCGGCGTCTGCGGCCTTCGTTGGACTTTGACA
AGATGAATCAGAAACCATACTCAGGAGGTCTTTGTCTCCAAGAAACAGCCCGGGAAGGCAGCAGCATCTC
TCCACCATGGTTCATGGCCTGTAGCCCCCCACCCCTCTCTGCTTCCTGCAGCCCCACTGGGGGTTCCTCC
CAGGTGCTGAGTGAAAGCGAAGAGGAGGAGGAGGGGGCTGTGCGGTGGGGTCGGCAGGCGCTGAGCAAGC
GGACACTGTGCCAGCGGGACTTTGGGGACCTGGACTTGAATTTGATTGAGGAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

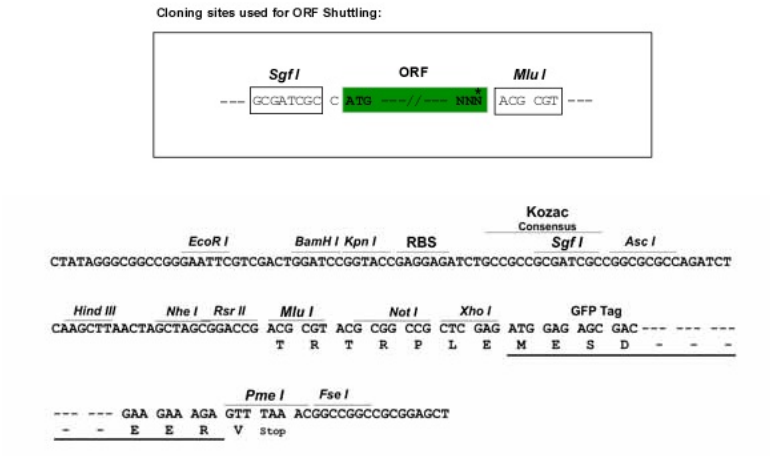
>RG200072 representing NM_016605
Red=Cloning site Green=Tags(s)

MITLITEQLQKQTLDELKCTRFSISLPLPDHADISNCGNSFQLVSEGASWRGLPHCSCAEFQDSLNFSYH
PSGLSLHLRPPSRGNSPKEQPFSQVLRPEPPDPEKLPVPPAPPSKRHCRSLSVPVDLSRWQPVWRPAPSK
LWTPIKHRGSGGGGGPQVPHQSPPKRVSSLRFLQAPSASSQCAPAHRPYSPPFFSLALAQDSSRPCAASP
QSGSWESDAESLSPCPPQRRFSLSPSLGPQASRFLPSARSSPASSPELPWRPRGLRNLPRSRSQPCDLDA
RKTGVKRRHEEDPRRLRPSLDFDKMNQKPYSGGLCLQETAREGSSISPPWFMACSPPPLSASCSPTGGSS
QVLSESEEEEEGAVRWGRQALSKRTLCQRDFGDLDLNLIEEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016605

ORF Size: 1176 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_016605.3

RefSeq Size: 4135 bp

RefSeq ORF: 1179 bp

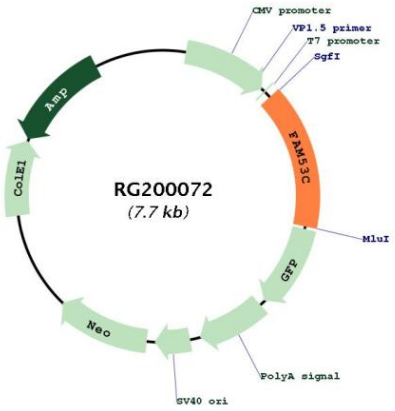
Locus ID: 51307

UniProt ID: Q9NYF3

Cytogenetics: 5q31.2

Gene Summary: The protein encoded by this gene belongs to the FAM53 protein family. FAM53 protein family members bind to a transcriptional regulator that modulates cell proliferation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RG200072