

Product datasheet for **RG237718**

FAM53A (NM_001297435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM53A (NM_001297435) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM53A
Synonyms:	DNTNP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237718 representing NM_001297435. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCACACTCATCACTGAGAAGCTGCAGAGCCAGAGCCTGGACGACCTCACCTGCAAGGCGGAGGCT
GGCCCGTTGCAGTATTCTGCGGAAACCCTGAACAAGAGCGGTCGTCTGTTCCCTTTGGAGCTCAACGAC
CAGAGTCCCTGGAAGGTCTTCAGTGGAGGACCGCCGTCAGAAGCCAGGCAGCCACGGGCCCTGATTTT
TCCTTCTGCCGGCCTGTCTGCTGCCGCTCACACCATGGGTCTTCAGTGGCAGCCACAGTCCCCGCGC
CCAGGCGCAGGCCTGGTGCAGCCAGCACCGTGGACCCAGTCAAAGCACAGGCTCGTCCACGGCCCCA
CCGACCAAGCGGCATTGCCGGTCTTGTGAGAACCAGGAGCTTGTGCGCTGCCGGTCCCCTGGCGC
CCCGGCAGCTCCAAGGTCTGGACTCCAGTCTCAAAGAGCGGTGCGACAGCGGGGAGTGCCACGCGG
CAGGGAAGCCCCGGCGCCGTCCTGCCGAGGAGTGTGTGGTGCACCGGTCCCACCTCGCCCGCCACG
CCCCGGCCGTCCTCCGCCAGCGGCGGCTTTCGTGGACAGCAGCAGGGGAGTGCAGGCTCAGGCCCGCTC
TGGTGTCCCGGAGTCTGCTTGCCTCCACGAGGCGCCCGCCGTCCTCTCACAGGAGCGACTCGCG
GGTGGGGCACTCCCCTGCCCTGGGCCAGCAGCAGCCCCACGTCCACGCCTGCGTGGCGGGGCGCCGT
GGGCTGCTCCGGTGCCGCTCACAGCCTTGCCTGCTCAGTGGGAAGAGGAGCCGGCGCAAACGGAGGCGT
GAGGAGGACGCCAGGTGGACACGCCATCCTTGGACTTCTGAAAATGACCCAGCCGACAGCTGTGCC
CGCGAGTGGAGTCCCGGTCAGGCGCTCGGCGTGAGCTTACAGCATCTGTCGGGTCCGAGCAGTCAG
TCCAGAGGTGACTCTGAATGAAAACAAAACGCGTGGTTTGAATGGAAGGAAACCTGGCCCTGAA
GACTTTAAAAAATTCAAAAAGCCTTTGCTCCCTCAATTACGAAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237718
 Blue=ORF Red=Cloning site Green=Tag(s)

MVTLITEKLQSQSLDDL TCKAEAGPLQYSAETLNKSGRLFPLELNDQSPWKVFSGGPPVRSQAATGPDF
 SFLPGLSAAAHTMGLQWQPQSPRPGAGLGAASTVDPSESTGSSTAPPTKRHRCSLSEPEELVRCRSPWR
 PGSSKVVWTPVSKRRCDSSGSA TRQSGP AVLPRSAVWSTGPTSPATPRPSASGGFVDSSEGSAGSGPL
 WCSAESCLPSTRRRPSLSQERLAGAGTLPWASSSPTSTPALGRRRGLLRCSRQPCVLSGKRSSRRKRRR
 EEDARWTRPSLDFLKMTQPHSCARECESRVRLGVSLQHLGSPSSQSRGSLNENKTPWFEMEGNLAPE
 DFKFKFKPLLPQLRR
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297435

ORF Size: 1080 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.

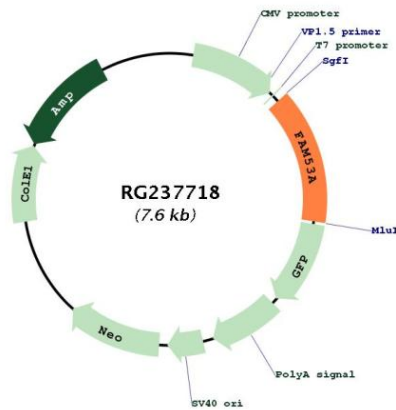
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001297435.1](#), [NP_001284364.1](#)

RefSeq Size: 3361 bp

RefSeq ORF:	1083 bp
Locus ID:	152877
UniProt ID:	<u>Q6NSI3</u>
Cytogenetics:	4p16.3
MW:	39.1 kDa
Gene Summary:	May play an important role in neural development; the dorsomedial roof of the third ventricle.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG237718