

Product datasheet for **RC237718**

FAM53A (NM_001297435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM53A (NM_001297435) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM53A
Synonyms:	DNTNP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237718 representing NM_001297435 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTCACACTCATCACTGAGAAGCTGCAGAGCCAGAGCCTGGACGACCTCACCTGCAAGGCGGAGGCTG
GCCCGTTGCAGTATTCTGCGAAACCCTGAACAAGAGCGGTCTGCTGTTCCCTTTGGAGCTCAACGACCA
GAGTCCCTGGAAGGTCTTCAGTGGAGGACCGCCCGTCAGAAGCCAGGCAGCCACGGGCCCTGATTTCTCC
TTCTGCCGGGCCGTGCTGCTGCCGCTCACACCATGGGTCTTCAGTGGCAGCCACAGTCCCGCGCCCGAG
GCGCAGGCTGGGTGCAGCCAGCACCGTGGACCCAGTGAAGCACAGGCTCGTCCACGGCCCCACCGAC
CAAGCGGCATTGCCGGTCTTGTGAGAACCAGGAGCTTGTGCGCTGCCGGTCCCCCTGGCGCCCCGGC
AGCTCAAAGGTCTGGACTCCAGTCTCCAAGAGGCGGTGCGACAGCGGGGAGTGCCACGCGGCAGGGAA
GCCCGGGCGCGTCTGCCGAGGAGTGTGTGGTGCACCGGTCCCACCTGCCCCGCCACGCCCCGGCC
GTCCTCCGCCAGCGGGCTTGTGGACAGCAGCGAGGGCAGTGCAGGCTCAGGCCCGCTCTGGTGTTC
GCGGAGTCTGCTTCCCTCCACGAGGCGCCCGCTCCCTCTCACAGGAGCGACTCGCGGTGCGGGCA
CTCCCCGCTGGGCCAGCAGCAGCCCCACGTCCACGCTGCGCTGGCGGGCGCGTGGGCTGCTCCG
GTGCCGCTCACAGCCTTGCCTGCTCAGTGGGAAGAGAGCCGGCGCAAACGGAGGCGTGAGGAGGACGCC
AGGTGGACAGCCCATCCTTGGACTTCTGAAAATGACCCAGCCGACAGCTGTGCCCGGAGTGCAGT
CCCCGCTCCGAGGCTCGGCGTGTGAGCTTACAGCATCTGTCGGGTCCGAGCAGTCCAGAGGGTGCAG
TCTGAATGAAAACAAAACGCCGTGGTTTGAATGGAAGGAAAACCTGGCCCTGAAGACTTTAAAAATTC
AAAAAGCCTTGTCCCTCAATTACGAAGA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237718 representing NM_001297435
Red=Cloning site Green=Tags(s)

MVTLITEKLSQSLDDL TCKAEAGPLQYSAETLNKSGRLFPLELNDQSPWKVFSGGPPVRSQAATGPDFS
 FLPLGLAAAHTMGLQWQPQSPRPGAGLGAASTVDPSESTGSSTAPPTKRHCRSLSEPEELVRCRSPWRPG
 SSKVWTPVSKRRCDSGGSATRQSGPGAVLPRSVAWSTGPTSPATPRPSSASGGFVDSSEGSAGSGPLWCS
 AESCLPSTRRRPSLSQERLAGAGTPLPWASSPTSTPALGGRRGLLRCSQPCVLSGKRSRRKRREEDA
 RWTRPSLDFLKMTQPHSCARECESRVRLGVS LQHL SGPSSQSRGSTLNENKTPWFEMEGNLAPEDFKFK
 KKPLLPQLRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

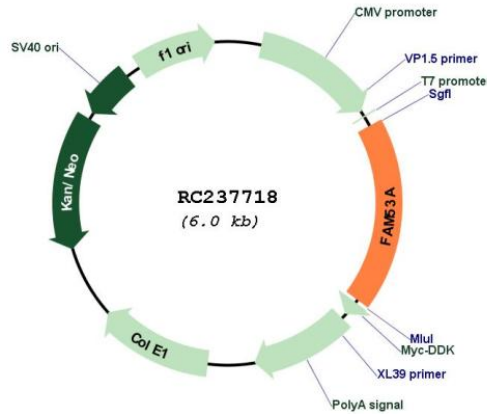
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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).
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_001297435.1 , NP_001284364.1
RefSeq Size:	3361 bp
RefSeq ORF:	1083 bp
Locus ID:	152877
UniProt ID:	Q6NSI3
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]