

Product datasheet for **RC209892**

FAM53A (NM_001013622) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM53A (NM_001013622) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM53A
Synonyms:	DNTNP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209892 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCACACTCATCACTGAGAAGCTGCAGAGCCAGAGCCTGGACGACCTCACCTGCAAGGCGGAGGCTG
GCCCGTTGCAGTATTCTGCGAAACCCGTAACAAGAGCGGTCTGTCTGTTCCCTTTGGAGCTCAACGACCA
GAGTCCCTGGAAGGTCTTCAGTGGAGGACCGCCCGTCAGAAGCCAGGCAGCCACGGGCCCTGATTTCTCC
TTCTGCCGGCCTGTCTGCTGCCGCTCACACCATGGGTCTTCAGTGGCAGCCACAGTCCCCGCGCCGAC
GCGCAGGCTGGGTGCAGCCAGCACCGTGGACCCAGTAAAGCACAGGCTCGTCCACGGCCCCACCGAC
CAAGCGGCATTGCCGGTCTTGTGAGAACCAGAGGCTTGTGCGCTGCCGGTCCCCCTGGCGCCCCGGC
AGCTCAAAGTCTGGACTCCAGTCTCAAGAGGCGGTGCGACAGCGCGGGAGTGCCACGCGGCAGGGAA
GCCCGCGCGCGTCTGCGGAGGAGTGCTGTGGTTCGACCGGTCCCACCTCGCCCGCCACGCCCCGGCC
GTCCTCCGCCAGCGCGGCTTCTGGACAGCAGCGAGGGCAGTGCGGGCTCAGGCCCGCTCTGGTGTTC
GCGGAGTCTGCTTGCCCTCCACGAGGCGCCCGCCGTCCTCTCACAGGAGCGACTCGCGGGTGCGGGCA
CTCCCCTGCCCTGGGCCAGCAGCAGCCCCACGTCCACGCTGCGCTGGCGGGCGCCGCTGGGCTGCTCCG
GTGCCGCTCACAGCCTTGCGTGCTCAGTGGAAAGAGGAGCGCGCAAACGGAGGCGTGAGGAGGACGCC
AGGTGGACAGCCATCCTTGGACTTCTGAAAATGACCCAGACTTTAAAAAATCAAAAAGCCTTTGCT
CCCTCAATTACGAAGATGACGATGAGGATGACACCCAGTGAAGACGGTTCTGTCCTCCCATGTGACTC
CCGGGGCCTCCCTGGCATCACCATGCCTGGCTGCAGCCAGAGGGCCCTCAGGACCAGCCCTGTCCACCCC
AACCTGTGGGCTCTAGGGAGTCGGTGACCAGTATGGCTCCCGCAGGAGCAGCGGGACCCCCGTGATG
GGGACAGTGTGGGGAGGAGGCGTCTCCCCGGGCCGCTGGGAGCTGGACCTGGAGCAGATCGAGAA
CAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC209892 protein sequence
Red=Cloning site Green=Tags(s)

MVTLITEKLQSQSLDDL TCKAEAGPLQYSAETLNKSGRLFPLELNDQSPWKVFSGGPPVRSQAATGPDFS
 FLPGLSAAHTMGLQWQPQSPRPGAGLGAASVDPSESTGSSTAPPTKRHCRSLSEPEELVRCRSPWRPG
 SSKVWTPVSKRRCDSGGSATRQGSPGAVLPRSVAWSTGPTSPATPRPSSASGGFVDSSEGSAGSGPLWCS
 AESCLPSTRRRPSSLQERLAGAGTPLPWASSPTSTPALGGRRGLLRCSQPVLGKRSRRKRREEDA
 RWTRPSLDFLKMTQTLKNSKSLCSLNYEDDDEDDTPVKTVLSSPCDSRGLPGITMPGCSQRGLRTSPVHP
 NLWASRESVTSDGSRSSGDPDRDGSVGEEGVFRARWELDLEQIENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6706_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013622

ORF Size: 1194 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.

RefSeq: [NM_001013622.3](#), [NP_001013644.1](#)

RefSeq Size: 2807 bp

RefSeq ORF: 1197 bp

Locus ID: 152877

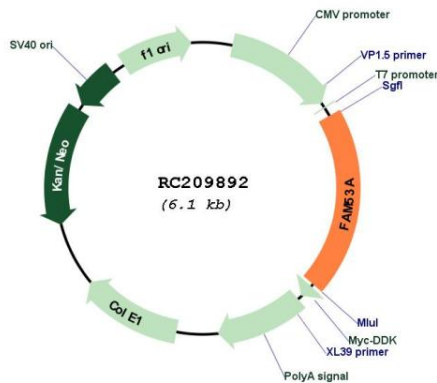
UniProt ID: [Q6NSI3](#)

Cytogenetics: 4p16.3

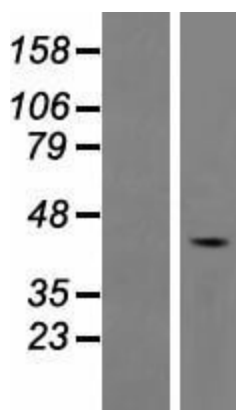
MW: 42.6 kDa

Gene Summary: May play an important role in neural development; the dorsomedial roof of the third ventricle.[UniProtKB/Swiss-Prot Function]

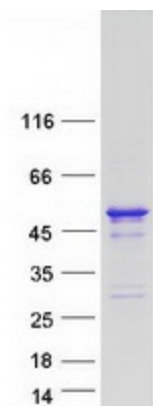
Product images:



Circular map for RC209892



Western blot validation of overexpression lysate (Cat# [LY422985]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209892 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM53A protein (Cat# [TP309892]). The protein was produced from HEK293T cells transfected with FAM53A cDNA clone (Cat# RC209892) using MegaTran 2.0 (Cat# [TT210002]).