

Product datasheet for **RC202541**

C6orf168 (FAXC) (NM_032511) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf168 (FAXC) (NM_032511) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf168
Synonyms:	C6orf168; dj273F20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202541 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTGGGGGTTGGCTTTGCTTCGTCAGGCCGTGCGTGGTGGATCTGAGCTGGAACCAGAGCATCT
CCTTCTTCGGCTGGTGGCCGGGTCGAGGAGCCCTTCTCCTTTATGGGGACATCATCGCTTTCCTTT
GCAGGATTACGGTGGGATCATGGCAGGGCTGGGCTCCGATCCCTGGTGAAGAAAACCTTTACTTGACC
GGGGGAGCTTTGCTGGCCGAGCTGCGTATCTGCTCCACGAACTCCTGGTCATTAGGAAACAGCAAGAGA
TTGACTCTAAAGATGCTATTATTTTGCATCAGTTTGCAAGACCTAACAATGGTGTCCAAGTTTATCTCC
TTTCTGTTTAAAGATGGAACTTATTTAAGGATGGCTGACTTACCGTATCAGAACTATTTTGGTGGAAAA
CTCTCTGCTCAAGGAAAAATGCCTTGGATTGAATATAATCATGAAAAAGTTTCTGGCACAGAATTCATAA
TTGACTTTCTGGAAGAGAAGCTTGGAGTGAATTTAAACAAAAACCTTGGCCCTCATGAAAGAGCCATCTC
CAGAGCGGTGACCAAGATGGTGGAGGAGCACTTCTACTGGACGTTAGCTTATTGCCAGTGGGTGGACAAT
CTCAATGAGACCCGGAAGATGCTCTCTTAGTGGTGGTGGTCCCTTCAGCAACCTGCTGAGGTGGGTG
TGTGCCACATAACGAAAGGAATTGTGAAACGCGAGATGCACGGCCACGGCATTGGCCGCTTCTCCGAGGA
AGAGATTTACATGCTGATGGAGAAGGACATGCGGTCTTTAGCAGGGCTTTTGGGTGATAAGAAGTACATC
ATGGGGCCCAAGCTTTCCACTTTGACGCCACTGTCTTTGGACACTTGGCACAGGCAATGTGGACCTTAC
CAGGGACAAGACCCGAACGGCTGATCAAAGGTGAGCTGATCAACCTTGCCATGTACTGTGAGAGGATAAG
GAGGAAATTTTGCCAGAGTGGCACCACGATGATGACAATACCATCTATGAGTCTGAGGAGAGCAGCGAA
GGCAGCAAAACCCACACCCCGCTGCTGGATTTTAGCTTTTACTCAAGGACAGAGACCTTTGAAGATGAGG
GAGCAGAAAACAGTTTTTCCAGAACCCAGACACAGATTTTACTGGACACTCACTCTTTGATTCCGATGT
GGACATGGATGACTATACAGACCACGAACAGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC202541 protein sequence
 Red=Cloning site Green=Tags(s)

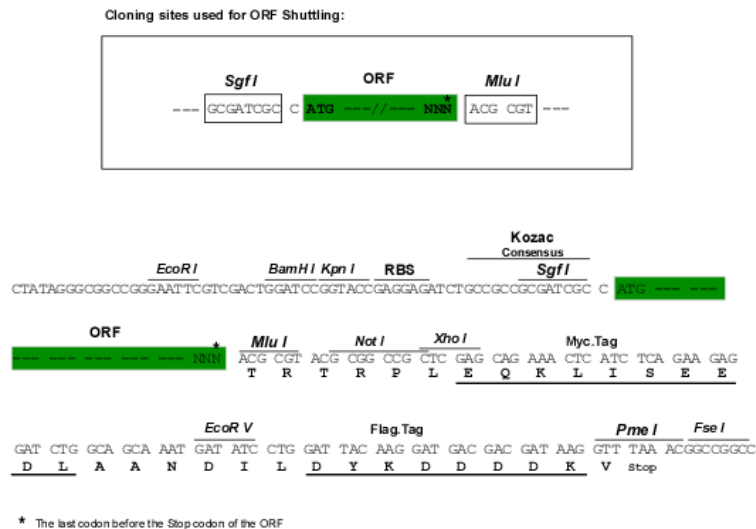
MHWGVGFASSRPCVVDLSWNQSIFFGWWAGSEEPFSFYGDIIAFPLQDYGGIMAGLGSDPWWKKTLYLT
 GGALLAAAAYLLHELLVIRKQEQEIDSKDAIILHQFARPNNGVPSLSPFCLKMETYLRLMADLPYQNYFGGK
 LSAQGKMPWIEYNHEKVSGETFIIDFLEEKLGVLNKNLGPHERAISRAVTKMVEEHFYWTLAYCQWVDN
 LNETRKMLSLSGGPPFSNLLRWVVCHITKGIVKREMHGHGIGRFSEEEIYMLMEKDMRSLAGLLGDKKYI
 MGPKLSTLDATVFGHLAQAMWTLPGTRPERLIKGELINLAMYCERIRRFWPEWHHDDNTIYESEESSE
 GSKTHTPLLDLSFYSRTEFDEGAENFSRTPDPTDFTGHSLFSDVDMDDDYTDHEQCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6743_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_032511

ORF Size: 1227 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_032511.1, NP_115900.1

RefSeq Size: 9773 bp

RefSeq ORF: 1230 bp

Locus ID: 84553

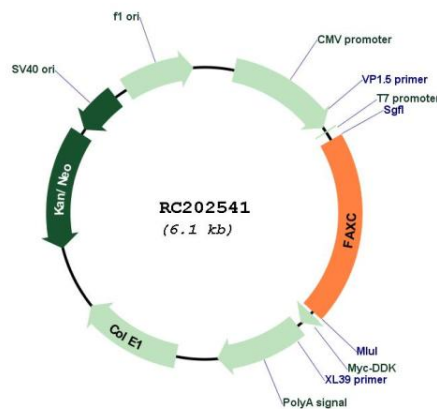
UniProt ID: Q5TGI0

Cytogenetics: 6q16.2

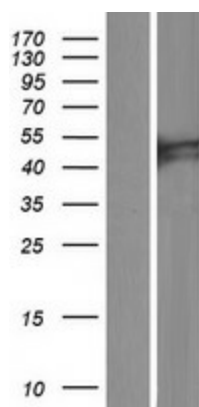
MW: 46.8 kDa

Gene Summary: May play a role in axonal development.[UniProtKB/Swiss-Prot Function]

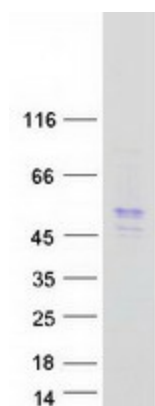
Product images:



Circular map for RC202541



Western blot validation of overexpression lysate (Cat# [LY410086]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202541 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAXC protein (Cat# [TP302541]). The protein was produced from HEK293T cells transfected with FAXC cDNA clone (Cat# RC202541) using MegaTran 2.0 (Cat# [TT210002]).