

Product datasheet for RC213070

C5ORF4 (FAXDC2) (NM_032385) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5ORF4 (FAXDC2) (NM_032385) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C5ORF4
Synonyms:	C5orf4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213070 representing NM_032385 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGGAGAAGCTGGACATATGCTACACAATGAAAAGTCAAAGCAGGAGGGACACATCTGGGGCTCTA
TGAGGAGGACAGCTTTCATCCTGGGCTCTGGACTTCTCTCATTTGTGGCCTTCTGGAACCTCAGTGACATG
GCATCTTCAGAGATTTTGGGGTCTTCTGGCTACTTTGGCAAGCCCAGTGGGAGAGGCTGCTGACTACA
TTTGAAGGAAGGAGTGGATCCTCTTTATAGGTGCCATCCAAGTGCCTTGTCTTTCTTCTGGAGCT
TCAATGGGCTTCTATTGGTGGTTGACACAACAGGAAAACCTAACTTCATCTCTCGCTACCGAATTCAGGT
CGCAAGAATGAACCTGTGGATCCTGTGAACTGCGCCAGTCTATCCGCACAGTTCTTTCAACCAAGTGC
ATGATATCTTTCCCATGGTGGTCTTCCCTATCCCTTCTCAAATGGTGGAGAGACCCCTGCCGCCGTG
AGCTACCCACCTTCCACTGGTTCCTCTGGAGCTGGCCATCTTACGCTGATCGAGGAAGTCTTGTCTCA
CTATTCACACCGGCTCCTTACCACCCAACATTCTACAAGAAAATCCACAAGAAACACCATGAGTGGACA
GCTCCATTGGCGTGATCTCTCTATGCCACCCTATAGAGCATGCAGTCTCCAACATGCTACCGGTGA
TAGTGGGCCCATAGTAATGGGCTCCACTTGTCTCCATCACCATGTGGTTTTCTTGGCCCTCATCAT
CACCACCATCTCCACTGTGGCTACCACCTTCCCTTCTGCCTTCGCCTGAATTCACGACTACCACCAT
CTCAAGTTCAACCAAGTCTATGGGGTGTGGGTGTGCTGGACCACCTCCATGGGACTGACACCATGTTCA
AGCAGACCAAGGCTACGAGAGACATGTCTCTGCTGGGCTTACCCCGCTCTCTGAGAGCATCCAGAG
CTCCCAAAGAGGATGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC213070 representing NM_032385
Red=Cloning site Green=Tags(s)

MKGEAGHMLHNEKSKQEGHIWGS MRRTAFILGSGLLSFVAFWNSVTWHLQRFWGASGYFWQAQWERLLTT
 FEGKEWILFFIGAIQVCLFFWSFNGLLLVVDTTGKPNFISRYRIQVGKNEPVDPVKLRQSI RTVLFNQC
 MISFPMVVFLYPFLKWRDPCRRELPTFHWFLELAIFTLIEEVLFYYSRLLHHPFTFYKKIHKHHEWT
 APIGVISLYAHPIEHAVSNMLPVIVGPLVMGSHLSSITMWFSLALITTTISHCGYHLPFLPSP EFHDYHH
 LKFNQCYGVLGVLDHLHGTDTMFKQTKAYERHVLLLLGFTPLSESI PDSPKRME

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8100_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_032385

ORF Size: 999 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_032385.5](#)

RefSeq Size: 2997 bp

RefSeq ORF: 1002 bp

Locus ID: 10826

UniProt ID: [Q96IV6](#)

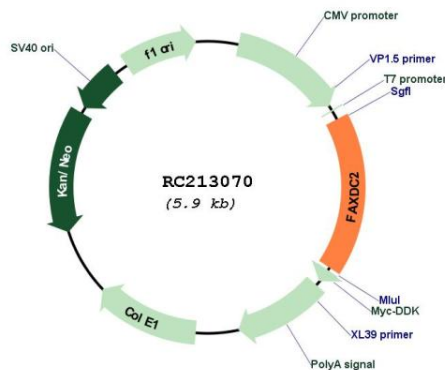
Cytogenetics: 5q33.2

Protein Families: Transmembrane

MW: 39 kDa

Gene Summary: Promotes megakaryocyte differentiation by enhancing ERK phosphorylation and up-regulating RUNX1 expression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213070