

Product datasheet for **RC227865**

EFCAB5 (NM_001145053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFCAB5 (NM_001145053) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EFCAB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227865 representing NM_001145053
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAAATCAAATCCCAAGAATTAACCTGGAGGGCAGCGAAAAATTTACCTGGTTCAATAAAGG
 ACTCTAAAACCTGAAGCCTCAGGTAATATTGCAATTAGAAAAATCTGCAAAAGTGATTTTTGCTTTAGATGA
 AACTGAACTGAAATCAAAGCCAGAGCACACATGGAAGAAAAACCTTTTTGAAAGAATGGAGGCAAGAGCC
 CAAGCAATGCAGCAGAAAAATAATAGATAAGGAAAACTGGAAGAAGGAACTAGAAAAAAGGCTGAAAAAA
 AACTCCCTAGGGATAATTTGGCCAAAGAGTGGTTAATACTGACAGCATGACACTGAATAATACTGCATA
 TTTGCTTGACAAACTTCTACCCACCTTAGTTCCTGGAGTAGAAAAACATGTTAACTCAAGTAGAAAAGAAG
 AAGGTTTTGACAGAAGCTGATACTCCAAGCAAGTTTGACCCAATTAATTTTGGGGGAATATTTAATAA
 GAAACAATCCTAATTATCAAAGACCCAGGAATGTCTGGTTACCAGAGGTTGATGAAAGAAGTCACAGA
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 TCAGAAAACACATTTATGAAGTTTTGACAAAGTCTCTGGAGATGAATACATTACTTTCTGCAATCAT
 GCTAGCAAAACCCAAAGTAAATTTAGAAAGTCCAGATCAACCTAACTTAACGAACAGAGAATCAACAA
 CACCATCACAAACCCGCCAGAACAGCAGAGAGGAGTAACTGCAGAACAAAGGACCACAAAGAATTTCAAT
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 GAGAGTCAACTACAGAACAAGGACAGCACAAGGGTCAATAGAAGGACAAGGACCACGCAGAGTGTCAAGT
 TTCAGAACAAGGATCAAGCAGAGAGTCAAGTGCAGAACAAGGGTCAAGCAGAGAGTCTATTGCAGAACAA
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 GTTGGTGAAGACGCTCCCTTGAAGTGTGAGGAGACTCTCACCTCTTTTTTAAGGAGGGCTATGTTGAAA
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 CTGTAGCTCACTGCAGCCTCAACTCCCGGACTCAAGCGATCATCCCATCACAGACTCTGAGCAACTGG
 GACTACAGGGAAAGAAGGAAGTTTTTCTCTTGGAGACCAAAATTTCCA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227865 representing NM_001145053
 Red=Cloning site Green=Tags(s)

MDEIKSQELNLEGQRKISPGSIKDSKTEASGNIAIRKSAKVIFALDETELKSKPEHTWKKNLFERMEARA
 QAMQQKIIDKENLKKELEKKAEEKLPRDNLAKWFNTDSMTLNNTAYLLDKLLPTLVPGVENMLTQVEKK
 KVLTEADTPSKFDPINYLGEYLIRNNPNYIKDPGMSGYQRLMKEVTEDLKIYVPDTICNRVSKMKENVKQ
 NRKQRESIDKIKVKVANTRKQALQE QFDEWILDPKGMIPKSVIQNVLQEFFQNPDFKLGSHCKQLDITDS
 TEPRLNKMEFTEYISSHIKDLKSEMFEELLKHLCHSADEFREVIKADMRRQMF AELFLHCDHGKVGFLDR
 QRTLALLELFYDHSSQMLRSLLRNPRQWPFI EFEEINL TELWGDMDNQKHIEGFDKVLLEMNTLLSANH
 ASKTQSKLLESPDQPKLNEQRTSTPSPNPPEQQRGVTAEQGPQRISIEEQQGKKPTAEQELYIESVIEP
 GTHTESTLEQGSSRRLLEQETHRESTTEQGQHKGSIEGQPRRVSVSEQGSRESVAEQGSRESIAEQ
 DRHKGSAEQGSRRMSAAEQGSLRESVIEEPYQKSEQGPYGEIIS EEQEDIGSTSQSRKDSILKSTKYGE
 PITSEYIEVPLQEKRSWEQTYEEEEIFLSSELQEEVPTLSRKDFHPETTKKEVQKDKPCEPKSQKIEGKSW
 SGEFFTCNWKMKYVTFEDEEQANLIYGNSRFTDLHSIIRNIQSCKEVKGR TAFNGVSFNLLQFVQLLETF
 VGEDAPLSVSETLTSFFKEGYVETE QEKMNALQVSLCRQAGVQWRNCSSLQPPTPGLKRS SHHRLLSNW
 DYRERRKFFPLETKFP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


- ACCN:** NM_001145053
- ORF Size:** 2568 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_001145053.1](#), [NP_001138525.1](#)

RefSeq ORF: 2571 bp

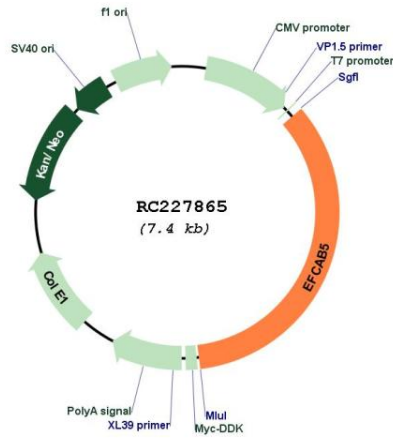
Locus ID: 374786

UniProt ID: [A4FU69](#)

Cytogenetics: 17q11.2

MW: 98.8 kDa

Product images:



Circular map for RC227865