

Product datasheet for **RC222307**

FKBP9 (NM_007270) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP9 (NM_007270) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FKBP9
Synonyms:	FKBP60; FKBP63; PPIase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC222307 representing NM_007270
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGTTCCGGGGCTGGAGGCCCCCGCCGACCGCTGCTCCTGCTGCTGCTGCTGGGTGACCGGGCAGG
 CAGCGCCCGTGGCGGGCTGGGCTCCGACGCGGAGCTGCAGATCGAGCGCGCTTCGTGCCCCGACGAGTG
 CCCGCGCACCGTGCAGCGCGGACTTCGTGCGTACCACTACGTGGGGACGTTCCCGACGCGCCAGAAG
 TTCGACTCCAGCTATGACAGAGACTCCACTTTCAATGTGTTTGTGGGAAAAGACAGCTGATCACAGGGA
 TGGACAGGCTCTTGTGGGATGTGCGTAAACGAGAGACGTTTCGTGAAGATTCGCCCAAAGCTTGCCTA
 CGGAAATGAAGGAGTTTCTGGTGTATCCCCCAATTCAGTGCTTCATTTTGATGTACTTCTGATGGAT
 ATTTGGAATTCGAAGACCAGGTCAGATTCACACCTATTTCAAGCCCCGAGTTGCCCTCGGACCATCC
 AGGTGTCTGATTTTGTGAGGTACCACTACAACGGGACGTTCTGGACGGAACCTGTGTTGATTCGAGTCA
 CAATCGCATGAAAACATATGACACGTATGTGGGAATTGGCTGGCTGATTCTGGAATGGATAAAGGGCTG
 CTGGGGATGTGTGTGGGTGAGAAGCGCATCATCACCATTCTCTCTTTCTGGCCTATGGAGAGGATGGAG
 ATGGGAAAGACATTCCCGGTCAAGCATCTCTGGTGTGTTGATGTTGCATTATTGGACCTCCATAACCCCAA
 GGACAGCATTTCCATTGAGAACAAGGTAGTACCTGAAAACGTGTGAGCGGATAAGTCAAAGTGGGGACTTT
 CTCAGGTATCATTACAATGGCACGCTTCTGGATGGCACCTCTTTGATTCCAGCTACTCTCGGAACCGCA
 CGTTTGACACGTACATTGGGCAGGGCTACGTGATTCTGGGATGGATGAAGGTCTACTTGGTGTGTCAT
 TGGAGAAAAGCGAAGGATTGTGGTCCCGCTCACCTGGGATGGAGAGGAAGGAAGAGGAATATCCCC
 GGCTCGGCTGTGCTGGTGTGACATCCATGTATCGACTCCACAACCTTCGGACTCCATCAGCATCA
 CCTCCCCTACAAACCCCTGACTGCTCAGTGCTGAGTAAGAAGGGAGATTACCTCAAATATCACTACAA
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 AGTGTGTTGACATTGAGCTGCTGGAGCTGGTGGCTGGCCTTCTGAGGGGTACATGTTTATGGAATGGT
 GAGGTGTACCCAACCTCTTGAAGAAATTGACAAGGATGGCAACGGAGAAGTCTCTGGAAGAGTTCT
 CAGAGTACATTCACGCCAGGTGGCATCTGGCAAAGGAACTCGCTCCTGGCTTTGATGCTGAGCTGAT
 TGTGAAGAATATGTTACCAACCAGGACCGGAATGGAGATGGGAAGGTCACAGCCGAGGAATTTAAACTC
 AAAGACCAGGAAGCCAAACACGATGAAGTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222307 representing NM_007270
 Red=Cloning site Green=Tags(s)

MAFRGWRPPPPPLLLLLLWVTGQAAPVAGLGSDAELQIERRFVPDECPRTVRSDFVRYHYVGTFFPDGQK
 FDSSYDRDSTFNVFVGKQLITGMDQALVGMVNERFVKIPPKLAYGNEGVSGVIPPNSVLHFDVLLMD
 IWNSEDQVQIHTYFKPPSCPRTIQVSDFVRYHYNGTFLDGTFLDSSHNRMKTYDITYVGIGWLIPGMDKGL
 LGMCVGEKRIITIPPFLAYGEDGDKDIPGQASLVFDVALLDLHNPKDSISIENKVPENCERISQSGDF
 LRYHYNGTLLDGTFLDSSYSRNRTFDITYGQGYVPGMDEGLLGVCIKEKRRIVPPHLGYGEEGRGNIP
 GSAVLVFDIHVIDFHNPDSISITSHYKPPDCSVLSKKGDYLYKHYNASLLDGTLLDSTWNLGKTYNIVL
 GSGQVVLGMDMGLREMCVGEKRTVVIIPHLGYGEAGVDGEVPGSAVLVFDIELLELVAGLPEGYMFIVNG
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 KDQEAKHDEL

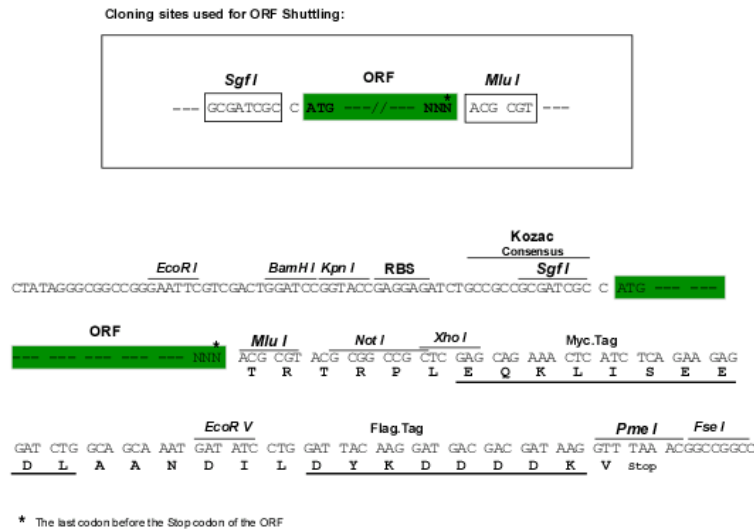
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3945_e05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_007270

ORF Size: 1710 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_007270.5](#)

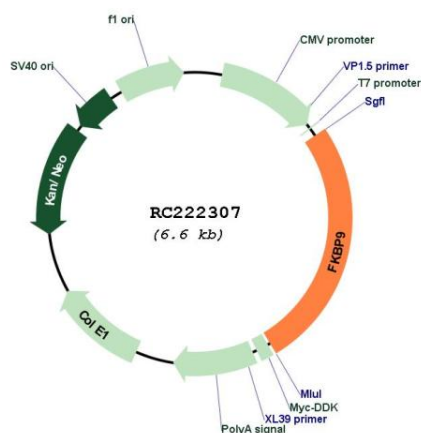
RefSeq Size: 3425 bp

RefSeq ORF: 1713 bp

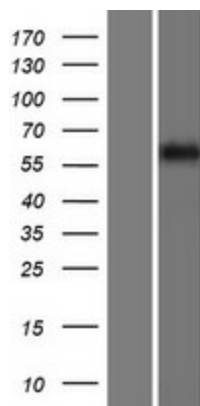
Locus ID: 11328

UniProt ID:	<u>O95302</u>
Cytogenetics:	7p14.3
Domains:	EFh
Protein Families:	Druggable Genome
MW:	62.9 kDa
Gene Summary:	PPlases accelerate the folding of proteins during protein synthesis.[UniProtKB/Swiss-Prot Function]

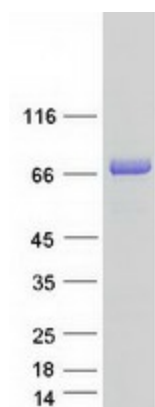
Product images:



Circular map for RC222307



Western blot validation of overexpression lysate (Cat# [LY416089]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222307 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FKBP9 protein (Cat# [TP322307]). The protein was produced from HEK293T cells transfected with FKBP9 cDNA clone (Cat# RC222307) using MegaTran 2.0 (Cat# [TT210002]).