

Product datasheet for **RC216639**

FKBP38 (FKBP8) (NM_012181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP38 (FKBP8) (NM_012181) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FKBP38
Synonyms:	FKBP38; FKBP38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216639 representing NM_012181 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCGTGTGCTGAACCTCTGAGCCCTCTGCCCCACTGCCCGCGGGTCCCACCGCTCGAGGACT
TCGAGGTACTGGATGGGTTGAGGATGCAGAGGTGAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGA
TGACCTGAGTGAAGTCCACCGCTGGAGGACATGGGACAACCCCCGCGGAGGAGGCTGAGCAGCTGGG
GCCCTGGCCCGAGAGTTCCTTGTGCTGCCATGGAGCCCGAGCCCGCCCGAGCCCGGCCCGAGAAGAGTGGC
TGGACATTCTGGGGAACGGGCTGTTGAGGAAGAAGACGCTGGTCCCAGGGCCGCCAGGTTTCGAGCCGCC
GGTCAAGGGCCAGGTGGTCACCGTACATCTGCAGACGTCGCTGGAGAATGGCACACGGGTGCAGGAGGAG
CCGGAGCTGGTGTCACTCTGGGTGACTGTGACGTATCCAGGCCCTGGATCTCAGTGTCCCACTCATGG
ACGTGGGGGAGACGGCCATGGTCACTGCTGACTCCAAGTACTGCTACGGCCCCAAGGCAGCAGGAGCCC
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GAGATGCTACGGGGCAGGAGCGCGTGGCCCTGGCCAACCGGAAGCGGGAGTGCGCAACGCCCACTACC
AGCGGGCGGACTTCGTCCTGGCCGCAACTCTACGACCTCGCCATCAAGGCTATCACCTCCAGCGCCAA
AGTGGACATGACGTTTCGAGGAGGAGGCACAGCTCCTGCAGTTGAAGGTGAAGTGTCTGAACAACCTGGCG
GCCTCGCAGCTGAAGCTCGACCACTACCGCGCAGCCCTGCGCTCCTGCAGCCTTGTGCTGGAGCACCAGC
CAGACAACATCAAGGCTCTCTCCGCAAGGGCAAGGTGCTGGCCAGCAGGGGGAGTACAGTGAGGCCAT
CCCCATCTGAGGGCAGCCCTGAAGCTGGAACCTTCCAACAAGACGATCCACGCAGAGCTCTCAAAGCTG
GTGAAGAAGCATGCGGCGCAGCGGAGCAGGAGACCGCCTTGTACCGGAAAATGTGGGCAACCCAGCC
GGCTGCCTGCTAAGTGCCCTGGCAAGGGTGCCTGGTCCATCCCATGGAAGTGGCTGTTTGGGGCGACTGC
TGTTGCCTTGGGGGTGTGGCACTCTCTGTGGTCATCGCTGCCAGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC216639 representing NM_012181
 Red=Cloning site Green=Tags(s)

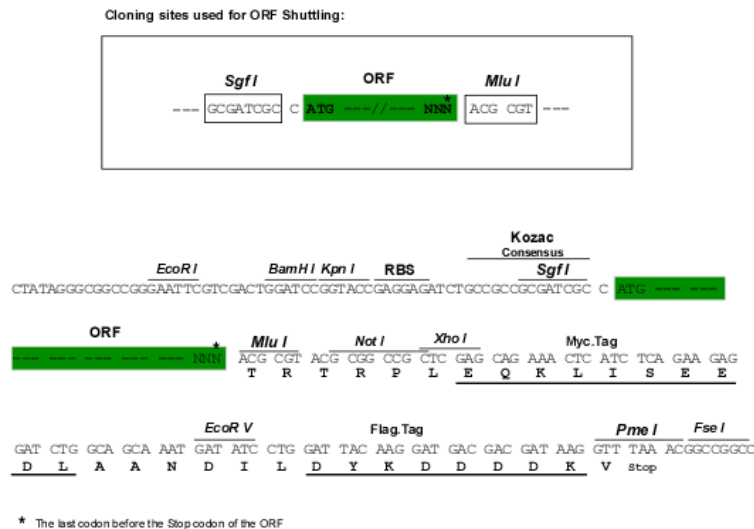
MASCAEPSEPSAPLPAGVPPLEDFEVLGDGVEDAEGESEEEEEEEEDDLSELPPLEDMDGQPPAEAEQPG
 ALAREFLAAMEPEPAPAPAEWLDILGNGLLRKKTLVPGPPGSSRPVKGVVTVHLQTSLENGTRVQEE
 PELVFTLGDCDVIQALDLSVPLMDVGETAMVTADSKYCYGPQGSRSPIPPHAALCLEVTLKTAVDGPD
 EMLTGQERVALANRKRCEGNAHYQRADFVLAANSYDLAIKAITSSAKVDMTFEEEAQLQLKVKCLNNLA
 ASQLKLDHYAALRSCSLVLEHQPDNIKALFRKGKVLAAQGEYSEAIPIILRAALKLEPSNKTIIHAELSKL
 VKKHAAQRSTETALYRKMLGNPSRLPAKCPGKGAWSIPWKWLFGATAVALGGVALSVVIAARN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6167_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012181

ORF Size: 1239 bp

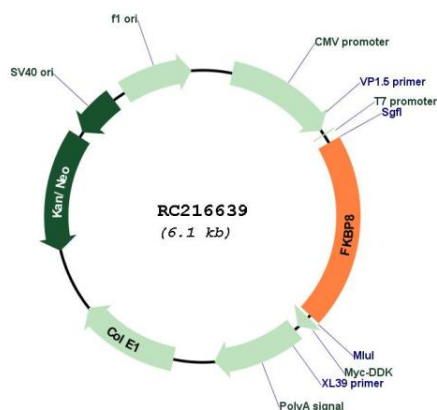
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

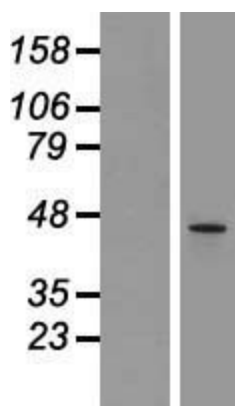
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_012181.5</u>
RefSeq Size:	1787 bp
RefSeq ORF:	1242 bp
Locus ID:	23770
UniProt ID:	<u>Q14318</u>
Cytogenetics:	19p13.11
Domains:	FKBP, TPR
Protein Families:	Druggable Genome, Transmembrane
MW:	44.5 kDa
Gene Summary:	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. Unlike the other members of the family, this encoded protein does not seem to have PPlase/rotamase activity. It may have a role in neurons associated with memory function. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC216639



Western blot validation of overexpression lysate (Cat# [LY415928]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216639 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).