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Product datasheet for MR229262

Fkbp6 (NM_001277891) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp6 (NM_001277891) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fkbp6
Synonyms:	36kDa; 1700008G22Rik; AU017274; D5Ertd724; D5Ertd724e; FKBP-6; FKBP-36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR229262 representing NM_001277891
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCGTCTTCTCGCGCCTCAGGAACGGAATCCCACCGTCGCGAGACGACTGCCAGTCTCCCTATGAGC
GACTAAGTCAACGCATGTTGGACATCTCCGGGGACCGAGGTGTGCTGAAGGACATCATCCGAGAGGGCAC
TGGCGATACCGTGACACCTGACGCTTCTGTGCTGGTGAAATATTCTGGATACCTGGAGCACATGGACAAG
CCTTTCGATTCTAATTGCTTTAGGAAAACACCTCGGCTGATGAAACTTGGAGAAGATATTACACTCTGGG
GCATGGAGCTGGGCCTTCTGAGCATGCGCAAAGGGGAACTGGCCAGGTTCCTGTTCAAGCCAGCCTATGC
TTACGGCACCCTGGGGTGCCCTCCCCTCATCCCGCCAAATGCCACCGTCCTGTTTGAGATCGAGCTGATT
GACTTCCTGGATTCTGCTGAGTCAGACAAGTTCTGTGCACTCTCAGCTGAGCAGCAAGAACAGTTTCCAC
TCCAGAAAGTCCTCAAAGTAGCAGCAACTGAGAGGGAGTTTGGCAACTACCTTTTCCGCCAGAATCGCTT
CTGTGATGCCAAAGTGAGATACAAGCGGGCTTTGCTGCTGCTCCACCGACGATTGGCCACCTGTGAGGAG
CAGCACTTGGTAGAACCTGCCGTGCTTCTAGTCCTCCTTAACCTGTCCTTTGTGTACCTGAAGCTAGACC
GACCTGCCATGGCCCTGCGCTATGGGGAGCAGGCTCTGCTCATTGACAAAAGGAACGCCAAGGCCCTCTT
CAGGTGTGGACAGGCTTGCCTCCTCCTAACTGAGTATGAGCGGGCCCGGGATTTTCTAGTGCGAGCTCAG
AAAGAGCAGCCCTGCAACCATGACATCAATAATGAGCTGAAAAAGCTGTCCAGCCACTACAGGGACTATG
TGGACAGAGAGAGAGAGATGTGTCACCGCATGTTTGCTCCCTGTGGAAGCAGATCTTCAGTGGGAGGAAA
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

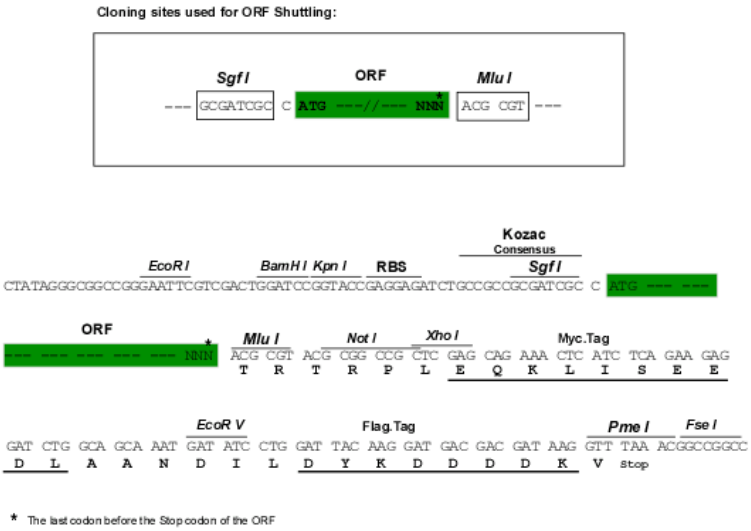
>MR229262 representing NM_001277891
Red=Cloning site Green=Tags(s)

MSVFSRLRNGIPPSRDDCQSPYERLSQRMLDISGDRGVLKDIIREGTGDTVTPDASVLVKYSGYLEHMDK
PFDSNCFRKTPRLMKLGEDITLWGMELGLLSMRKGELARFLFKPAYAYGTLGCPPLIPPNATVLFEIELI
DFLDSAESDKFCALSAEQQEQFPLQKVLKVAATEREFGNYLFRQNRFCDAKVRYKRALLLLHRRLATCEE
QHLVEPAVLLVLLNLSFVYLKLDRPAMALRYGEQALLIDKRNAKALFRCGQACLLLTEYERARDFLVRAQ
KEQPCNHDINNELKKLSSHYRDYVDREREMCHRMFAPCGSRSSVGGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001277891

ORF Size: 981 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_001277891.1, NP_001264820.1

RefSeq Size: 1289 bp

RefSeq ORF: 984 bp

Locus ID: 94244

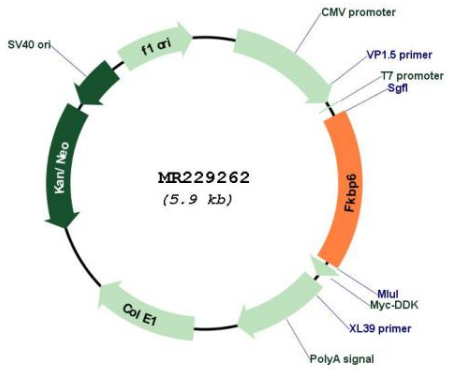
UniProt ID: Q91XW8

Cytogenetics: 5 75.11 cM

MW: 37.5 kDa

Gene Summary: This gene is a member of the FK506-binding protein (Fkbp) family. The encoded protein plays a role in male-specific fertility and homologous pairing of chromosomes during meiosis. The protein may also be involved in LINE1 transposon silencing and binding to Hsp90 as a co-chaperone. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]

Product images:



Circular map for MR229262