

Product datasheet for **MR224601**

Fkbp5 (NM_010220) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp5 (NM_010220) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fkbp5
Synonyms:	D17Erttd592e; Dit1; FKBP-5; FKBP51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224601 representing NM_010220
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTACTGATGAGGGCACCAGTAACAATGGAGAGAACCAGCAGCCACCATGACTGAGCAGGGTGAAG
 ATATCACTACGAAGAAAGACAGAGGAGTATTAAGATTGTCAAAAAGAGTGGGGACTAGTGACGAGGCCCC
 AATGTTTTGGTGACAAAGTTTATGTCCACTACAAAGGGATGTTGTGATGAAAGAAGTTTGATTCCAGT
 CATGACAGAAAGAAGCCATTTGCCTTTAGCCTTGGCCAAGGCCAGGTTATCAAAGCCTGGGACATTTGGG
 TGTCTACTATGAAGAAAGGCGAGATCTGCCATTTATTATGTAACCAGAAATATGCTTATGGCTCGGCTGG
 CCACCTCCAAAAAATCCATCAAATGCAACTCTCTTTTTGAGATTGAGCTCCTTGATTTCAAAGGTGAG
 GATTTATTTGAAGATTCAGGCGTTATCCGTAGAATCAAACGAAAGGCGAGGGTACTCAAACCCAAACG
 AAGGAGCAACGGTAAAAGTCCACCTGGAAGGCTGCTGTGGTGAAGGACATTTGATTGCCGAGATGTGGT
 GTTCGTTGTTGGGAAGGAGAAGACCACGACATTCGGATTGGGATCGACAAGCCCTGGTGAAGATGCAG
 AGAGAAGAACAGTGTATTCTATATCTTGGACCAGCTATGGTTTTGGAGAAGCCGGAAGCCTAAGTTTG
 GCATTGACCCCAATGCTGAGCTTATGTACGAGGTCACCCTTAAGAGCTTCGAGAAGGCCAAAGAATCTTG
 GGAGATGGACACCAAGAAAAGCTGACGACAGGCTGCCATCGTGAAGAGAAGGGAAGTGTGACTTCAAG
 GGAGGCAAGTACACGACGAGCCGTGATTCAGTACAGGAAGATAGTGTCTGGCTGGAGATGGAATACGGCC
 TGTGAGAGAAGGAGTCCAAAGCCTCAGAGTCGTTCTCCTCGCAGCCTTCTGAACCTGGCCATGTGCTA
 CCTGAAGCTCCGAGAGTACAACAAGCCGTGGAGTGTGCGACAAGGCCCTTGGACTGGACAGTGCCAAAT
 GAGAAAAGGCTTGTACAGAAGGGGCGAGGCCAGCTGCTCATGAATGACTTTGAGTCGGCCAAGGGCGACT
 TCGAGAAGGTGTTGGCAGTCAATCCTCAGAACAGGGCCGCTCGCCTGCAGATCTCCATGTGCCAGAGGAA
 GCGGAAGGAGCACAACGAGCGGGACCGCAGGGTGTACGCCAACATGTTCAAGAAGTTTCGAGAGCGGGAC
 GCAAAGGAGGAAGCCAGCAAAGCTGGGAGCAAGAAGGCTGTAGAAGGAGCCGCTGGCAAACAACACGAGA
 GTCAGGCCATGGAAGAAGGAAAGGCCAAAGGCCATGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224601 representing NM_010220
 Red=Cloning site Green=Tags(s)

MTTDEGTSNNGENPAATMTEQGEDITTKKDRGVLIKIVKRVGTSDEAPMFGDKVYVHYKMLSDGKKFDSS
 HDRKKPFASFSLGQGVKAWDIGVSTMKKGEICHLLCKPEYAYGSAGHLQKIPSNATLFFEIELLDFKGE
 DLFEDSGVIRRIKRGEGYSNPNEGATVKVHLEGCCGGRTFDCRDVVFVVGEGEDHDIPIGIDKALVKMQ
 REEQCILYLGPYGFGEAGKPKFGIDPNAELMYEVTLSFEKAKESWEMDTKEKLQAAIVKEKGTVYFK
 GGKYTQAVIQYRKIVSWLEMEYGLSEKESKASEFLLAFLNLAMCYLKLREYNKAVECCDKALGLDSAN
 EKGLYRRGEAQLLMNDFESAKGDFEKVLAVNPQNRAARLQISMCQRKAKEHNERDRRVYANMFKKFAERD
 AKEEASKAGSKAVEGAAGKQHESQAMEEGKAKGHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_010220

ORF Size: 1368 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

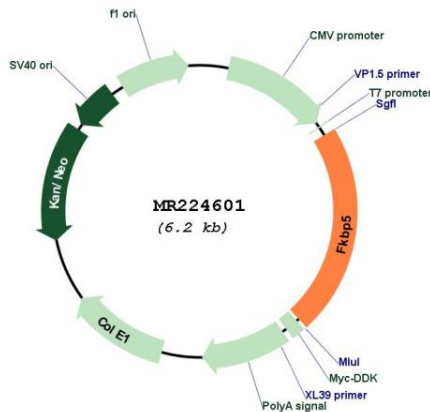
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_010220.4](#)
RefSeq Size: 3523 bp
RefSeq ORF: 1371 bp
Locus ID: 14229
UniProt ID: [Q64378](#)
Cytogenetics: 17 14.66 cM
MW: 51.4 kDa

Gene Summary: Immunophilin protein with PPIase and co-chaperone activities. Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224601