

Product datasheet for **MC227509**

Fkbp8 (NM_001199631) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp8 (NM_001199631) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fkbp8
Synonyms:	38kDa; FKBP-8; FKBP-38; Fkbp38
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227509 representing NM_001199631 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTTGGGCTGAGCCCTCTGAGCCTGCTGCCCTGCGACTTCTGGGGCCCCACTGCTGGAGGGCT
TTGAGGTGCTCGATGGGTTGATGATGCAGAGGAGGAAGATGACCTAAGTGGGCTGCCACCACTAGAGGA
CATGGGACAGCCTACAGTGGAGGAGGCTGAGCAGCCTGGAGCCCTGGCTCGGGAGTTCCTGGCAGCCACA
GAGCCTGAGCCAGCCCCAGCCCCAGCCCCGGAAGAGTGGCTGGACATTCTGGGGAACGGATTGCTGCGGA
TGAAGACTGGTCCCAGGCCGAAAGGCTCTAGCCGCCCACTCAAGGGCCAGGTGGTGACCGTTACCT
GCAGATGTCCCTGGAGAATGGCACCCGTGTACAGGAAGAGCCTGAACTGGCCTTACAGCTGGGAGACTGC
GATGTTATCCAGGCCCTGGACCTCAGTGTCCCGCTCATGGATGTGGGCGAGACAGCCATGGTTACCGCTG
ACTCCAAGTACTGCTACGGCCCCAGGGCAGCAGGAGCCCATACATCCCCCCCCACGCAGCCCTGTGCCT
GGAAGTCAACCCTGAAGACGGCAGAGGATGGACCCGACCTGGAGATGCTGAGTGGGAGGAGCGGTGGCC
CTGGCCAACCGCAAGCGGGAGTGTGGCAATGCCCACTACCAGCGTGCCGACTTTGTGCTGGCCGCAATT
CCTATGACCTGGCCATCAAGGCTATCACCTCAACACCAAGTGGACATGACTTGTGAGGAGGAAGAGGA
GCTGCTACAGCTGAAGGTCAAGTGTCTGAACAACCTTGGCGCTCACAGCTGAAGCTGGACCACTACCGA
GCAGCTCTGCGCTCCTGTAGCCAGGTGCTGGAGCACCAGCCGACAACATCAAGGCACTGTTCCGCAAGG
GCAAGGTGCTGGCTCAGCAAGGTGAATATAGTGGGCCATCCCAATCCTGAGGGCTGCCCTGAAGCTGGA
ACCTTCCAACAAGACGATCCACGCAGAGCTCTCAAAGCTGGTAAAGAAGCGTGTGCACAGCGGAGCACA
GAGACCGCCTGTACCGAAAGATGCTAGGCAACCCAGCCGGCTGCCTGCCAAGTGTCCGGGAAAGGGGG
CCTGGTCCATCCCGTGGAAATGGCTGTTGGGGCGACTGCCGTGGCCCTGGGGGGCGTGGCTCTCTGT
GGTCATTGCTGCCAGGA**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001199631
Insert Size:	1212 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001199631.1</u> , <u>NP_001186560.1</u>
RefSeq Size:	1826 bp
RefSeq ORF:	1212 bp
Locus ID:	14232
UniProt ID:	<u>O35465</u>
Cytogenetics:	8 B3.3
Gene Summary:	<p>Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis (By similarity). Required for normal embryonic development. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains a different segment for its 5' UTR, compared to variant 1. Variants 1 and 3 encode the same protein (isoform a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>