

Product datasheet for **SC122917**

FKBP10 (NM_021939) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP10 (NM_021939) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKBP10
Synonyms:	BRKS1; FKBP65; hFKBP65; OI6; OI11; PPIASE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >SC122917 representing NM_021939.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTCCCGCGGGCCCCCAGCCACAGCCTCCTCCGGCTCCCCCTGCTGCAGTTGCTGCTACTGGTG
GTGCATGCCGTGGGAGGGGGCTGGGCCGCGCCAGCCCGCCGGGGCCCCCTGGAAGATGTGGTCATC
GAGAGGTACCACATCCCCAGGGCTGTCCCCGGGAAGTGCAGATGGGGGATTTTGTGCGTACCCTAC
AACGGCAGCTTTTGAAGATGGCAAGAAGTTTGATTCAAGCTATGATCGCAACACCTTGGTGGCCATCGTG
GTGGGTGTGGGGCGCCTCATCACTGGCATGGACCGAGGCCCTCATGGGCATGTGTGCAACGAGCGGCGA
CGCCTCATTGTGCCTCCCCACCTGGGCTATGGGAGCATCGGCCTGGCGGGGCTCATTCCACCGGATGCC
ACCCTCTACTTCGATGTGGTTCTGCTGGATGTGTGGAACAAGGAAGACCCGTGCAGGTGAGCACATTG
CTGCGCCCCCCCCACTGCCCCCGCATGGTCCATGACGGCGACTTTGTCCGCTACCACTACAATGGCACC
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TTTCACGTCTCTGATTGACGTGCACAACCCGAAGGACGCTGTCCAGCTAGAGACGCTGGAGCTCCCC
CCCGGCTGTGTCCGAGAGCCGGGGCCGGGACTTCATGCGCTACCACTACAATGGCTCCTTGATGGAC
GGCACCTCTTCGATTCCAGCTACTCCCGCAACACACCTACAATACCTATATCGGGCAGGGTTACATC
ATCCCCGGGATGGACAGGGGCTGCAGGGTGCCTGCATGGGGAAACGCCGGAGAATTACCATCCCCCG
CACCTCGCCTATGGGGAGAATGGAAGTGGAGACAAGATCCCTGGCTGTCCGTGCTAATCTTCAACGTC
CATGTCATTGACTTCCACAACCTGCGGATGTGGTGGAATCAGGACACTGTCCCGGCCATCTGAGACC
TGCAATGAGACCACCAAGCTTGGGGACTTTGTTGATACCACTGTTCTTTGCTGGACGGCACC
CAGCTGTTACCTCGCATGACTACGGGGCCCCCAGGAGGCGACTCTCGGGCCAACAAGGTGATCGAA
GGCTGGACACGGGCTGCAGGGCATGTGTGGGAGAGAGGGCGCAGCTCATCGTCCCCCGCAGCTG
GCCACGGGGAGAGTGGAGCCCGGGAGTCCCAGGCAAGTGTGTGCTGCTGTTTGAAGTGGAGCTGGTG
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GAAGACATGGACCTCAACAAGGATGGCGAGTCCCTCCGGAGGATTCTCCACCTTCATCAAGGCTCAA
GTGAGTGAAGGCAAGGACGCCTCATGCCTGGGACAGACCCTGAGAAAACCATAGGAGACATGTTCCAG
AACCAGGACCGCAACAGGACGGCAAGATCACAGTCGACGAGCTCAAGCTGAAGTCAGATGAGGACGAG
GAGCGGGTCCACGAGGAGCTCGA
  
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_021939 unedited

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GNNCGGCCGCGNAATTCCTGGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGGGAG
GTTGGTGGCGACTCCCTCGCTCGCCCTCACTGCCGGCGGTCCCACTCCAGGCACCATGT
TCCCCGCGGGCCCCCAGCCACAGCCTCCTCCGGCTCCCCCTGCTGCAGTTGCTGCTAC
TGGTGGTGCATGCCGTGGGAGGGGGCTGGGCCGCGCCAGCCCGCCGGGGGGCCCCCTGG
AAGATGTGGTTCATCGAGAGGTACCACATCCCCAGGGCCTGTCCCCGGGAAGTGCAGATGG
GGGATTTTGTGCGCTACCACTACAACGGCACTTTTGAAGATGGCAAGAAGTTTGATTCAA
GCTATGATCGCAACACCTTGGTGGCCATCGTGGTGGGTGTGGGGCGCCTCATCACTGGCA
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TCGATGTGGTTCTGCTGGATGTGTGGAACAAGGAAGACACCGTGCANGTGAGCACATTGC
TGCGCCCCCCCCACTGCCCCCGCATGGTCCAGGACGGCGACTTTGTCCGCTACCACTACA
ATGGCACCTGCTGGACAGCACCTCCTTCGACACCAGCTACAGTAAGGGCGGCATTATG
ACACCTACGTCCGCTCTGGTTGGCTGATCAAGGCATGGACAGGGGCTGCTGGGCATGT
GTCCTGGAGAGAGAAAGAAGATTATCATCTCCATTCTGGGCTATNGCGAGNAAGGCTA
TGGACAATGGATCCCCCAGGGCCTCGGTGGTCTTTCACGTC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_021939
Insert Size: 1749 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).
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_021939.2</u>
RefSeq Size:	2641 bp
RefSeq ORF:	1749 bp
Locus ID:	60681
UniProt ID:	<u>Q96AY3</u>
Cytogenetics:	17q21.2
Protein Families:	Druggable Genome
MW:	64.3 kDa
Gene Summary:	The protein encoded by this gene belongs to the FKBP-type peptidyl-prolyl cis/trans isomerase (PPIase) family. This protein localizes to the endoplasmic reticulum and acts as a molecular chaperone. Alternatively spliced variants encoding different isoforms have been reported, but their biological validity has not been determined.[provided by RefSeq, Nov 2009]