

Product datasheet for **SC123690**

MKS1 (BC010061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKS1 (BC010061) Human Untagged Clone
Tag:	Tag Free
Symbol:	MKS1
Synonyms:	BBS13; FABB proteome-like protein; FLJ20345; Meckel syndrome, type 1; MES; MKS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC010061 edited
 CGCAGCTGTCATGGCGGAGACCGTCTGGAGCACTGACACCGGGGAGGCAGTGTATCGCTC
 CCGGGACCCCGTGCACAACTTGGCCCTCCGAGTCCACCTGCAAAGAATCACATCAAGCAA
 CTTTCTTCATTATCAGCCTGCTGCCGAGCTCGGGAAGGACCTCATAGACTTGGCCACTTT
 TAGGCCTCAGCCAAGTCCAGTGGACACCGCCAGAGGAAGACGAAGAGGAGGAGATTGT
 GATTGGGTGGCAGGAGAAGCTCTTTAGCCAGTTTGAAGTAGATCTGTACCAAAATGAAAC
 AGCCTGTCAGAGTCTTTGGATTATCAGTACCGTCAGGAGATCCTGAAGCTGGAGAATTC
 GGGTGGCAAGAAAAACCGACGAATCTTTACCTACACTGACTCTGATAGATACACCAATTT
 GGAGGAGCACTGTCAGAGAATGACCACTGCAGCCAGCGAGGTGCCTTCATTCTTGGTCGA
 GCGAATGGCAAATGTCAGGCGTCGCCGGCAGGACAGGCGAGGGATGGAGGGCGGCATCCT
 CAAGTCACGCATCGTCACCTGGGAGCCCTCAGAAGAGTTTGTGAGGAACAACCACGTCAT
 TAACACCCCTCTCAGACAATGCACATCATGGCAGACCTGGGGCCCTATAAAAAGCTTGG
 CTATAAGAAGTATGAACATGTCCTGTACTCTGAAGGTGGATAGCAATGGTGTGATCAC
 AGTAAAGCCTGACTTCACGGGCCTCAAAGGACCCTACAGGATTGAGACGGAGGGGGAGAA
 GCAGGAGCTGTGGAATATACGATCGACAATGTTTCCCCCAGCACAGCCGGAGGAGGA
 GGAGCGGGAACGGCGAGTGTTC AAGGATCTTTATGGCCGGCACAAGGAGTATCTCAGCAG
 CCTCGTAGGCACCGACTTTGAGATGACTGTCCCAGGTGCCTCCGGCTCTTTGTAATAGG
 AGAGGTGCTTTCAGCCAAAGGCTATGAGTATGACAATCTCTACGTCCACTTCTTTGTAGA
 ATTGCCAACTGCTCACTGGTCAAGCCCAGCATTCCAGCAGCTCTCAGGAGTAACACAGAC
 CTGCACCACCAAGTCCCTGGCAATGGACAAGGTGGCTCACTTCTCCTACCCATTACGTT
 TGAAGCCTTCTCCTCCATGAGGATGAATCTTCTGATGCACTCCCGAGTGGCCTGTGCT
 CTACTGTGAGTCTCTCGCTGGACTTCTGGCAGAGGTACCGTGTGGAAGGCTATGGGGC
 TGTGGTCTGCCCTGCCACTCCAGGCTCACACACCCTGACAGTCTCCACGTGGAGACTGT
 GGAGCTTGGCACGGTGGCTGAGCTGAGGAGGTTTTTTCATTGGCGGTTCTCTGGAACCTGGA
 GGACCTCTCCTATGTACGGATACCAGGATCCTTCAAGGGCCTTTCATCTTCCAAGACCAA
 AGAAGGAAGGAAGGTGGACGGTGGAGGGTCTTAAATCCCCAGCCTGTGAGTCTCAGCCT
 CTTTCCAGGGAAGCCTCATTCTACTGCTTGGGGCTTGGTGGAGTTGAGATATGAGTTATT
 TCTGAGTAAGTGAAGGCTGAAGGCAGTGTGAGTCCTTTCTGCTAGCTGGGTGGTATCTT
 TACTGTGTTTTTTGTTGTTTGTGTTTTTGTGTTTTTGTGTTTTTGTACATAAACCCCTTTTATT
 TGAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC010061 unedited
 NGAACACGACAGAATTTGTATACGACTCACTATAGGCGGCGCGAATTCGCACGAGGCGC
 AGCTGTGATGGCGGAGACCGTCTGGAGCACTGACACCGGGGAGGCAGTGTATCGTCCCG
 GGACCCCGTGCACAACTTGGCCCTCCGAGTCCACCTGCAAAGAATCACATCAAGCAACTT
 TCTTCATTATCAGCCTGCTGCCGAGCTCGGGAAGGACCTCATAGACTTGGCCACTTTTAG
 GCCTCAGCCAAGTGCCAGTGGACACCGCCAGAGGAAGACGAAGAGGAGGAGATTGTGAT
 TGGGTGGCAGGAGAAGCTTTTAGCCAGTTTGAAGTAGATCTGTACCAAAATGAAACAGC
 CTGTGAGAGTCTTTGGATTATCAGTACCGTCAGGAGATCCTGAAGCTGGAGAATTCGGG
 TGGCAAGAAAAACCGACGAATCTTTACCTACACTGACTCTGATAGATACACCAATTTGGA
 GGAGCACTGTCAGAGAATGACCACTGCAGCCAGCGAGGTGCCTTCATTCTTGGTCGAGCG
 AATGGCAAATGTCAGGCGTCGCCGGCAGGACAGGCGAGGGATGGAGGGCGGCATCCTCAA
 GTCACGCATCGTCACCTGGGAGCCCTCAGAAGAGTTTGTGAGGAACAACCACGTCATTAA
 CACCCCTCTCAGACAATGCACATCATGGCAGACCTGGGGCCCTATAAAAAGCTTGGCTA
 TAAGAAGTATGAACATGTCCTGTGACTCTGAANGTGGATAGCAATGGTGTGATCACAGT
 AAAGCCTGACTTCACGGGCCTCAAAGGACCCTACAGGATTGAGACCGAGGGGGAGAAGCA
 NGAGCTGTGGAATATACGATCGACAATGTTTCCCCCAGCACAGCCGAGGAGGAGGAC
 CGGGAAA

Restriction Sites: Please inquire
ACCN: BC010061

Insert Size:	1709 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:	BC010061.2 , AAH10061.1
RefSeq Size:	1700 bp
Locus ID:	54903
Cytogenetics:	17q22
Gene Summary:	The protein encoded by this gene localizes to the basal body and is required for formation of the primary cilium in ciliated epithelial cells. Mutations in this gene result in Meckel syndrome type 1 and in Bardet-Biedl syndrome type 13. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]