

Product datasheet for **SC113340**

C21orf45 (MIS18A) (NM_018944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	C21orf45
Synonyms:	B28; C21orf45; C21orf46; FASPI; hMis18alpha; MIS18alpha
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018944, the custom clone sequence may differ by one or more nucleotides

ATGGCAGGCGTTTCGGTCACTGAGGTGTAGCAGAGGATGCGCTGGCGGCTGTGAGTGCGGCGACAAGGGCA
AATGCAGCGACTCCTCGCTGTTGGGCAAGAGACTCTCCGAAGACTCGAGCCGCCACCAGCTGTTGCAGAA
GTGGGCGAGCATGTGGAGCTCCATGAGCGAAGACGCGTCGGTGGCCGACATGGAGAGGGCGCAGCTGGAG
GAGGAGGCGGCGGCTGCGGAGGAGAGGCCGCTGGTGTCTGTGCTCCGGCTGCCGGCGGCCGCTGGGCG
ACTCGCTGAGCTGGGTGGCCAGCCAGGAGGACCAACTGCATCCTGCTTCGCTGTGTTTCTGTAAATGT
TTCTGTGGATAAGGAACAGAAGCTATCCAAACGTGAAAAGGAAAATGGTTGCGTCCTTGAGACTTTGTGC
TGCGCGGGGTGCTCACTCAATCTTGGCTACGTGTACAGATGCACGCCCAAGAATCTTGATTACAAGAGAG
ACTTGTGTTTGCCTCAGTGTGAAGCCATTGAAAGTTATGTTTTAGGGTCCTCTGAAAAGCAAATTTGTGTC
AGAAGATAAAGAGCTTTTTAATCTTGAAAGCAGAGTTGAAATAGAAAAGTCTTAACACAGATGGAAGAT
GTCTTGAAAGCATTACAAATGAAGCTGTGGGAGGCCGAATCCAAATGTCCTTTGCCACTTGTAAGAGCT
GA



5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018944 unedited TTCACCATTTTGTAAACGACTCACTATAGGGCGGCCGCAAATTCGCACGAGGCTGGGG CGCGGGCGATTTGTAGGTAATGGCAGGCGTTCCGGTCACTGAGGTGTAGCAGAGGATGCGC TGGCGGCTGTGAGTGCGGCGACAAGGGCAAATGCAGCGACTCCTCGCTGTTGGGCAAGAG ACTCTCCGAAGACTCGAGCCGCCACCAGCTGTTGCAGAAGTGGGCGAGCATGTGGAGCTC CATGAGCGAAGACGCGTCGGTGGCCGACATGGAGAGGCGCAGCTGGAGGAGGAGGCGGC GGCTGCGGAGGAGAGGCCGCTGGTGTTCCTGTGCTCCGGCTGCCGGCGGCCGCTGGGCGA CTCGCTGAGCTGGGTGGCCAGCCAGGAGGACCAACTGCATCCTGCTTCGCTGTGTTTC CTGTAATGTTTCTGTGGATAAGGAACAGAAGCTATCCAACGTGAAAAGGAAAAATGGTTG CGTCCTTGAGACTTTGTGCTGCGCGGGGTGCTCACTCAATCTTGGCTACGTGTACAGATG CACGCCCAAGAATCTTGATTACAAGAGAGACTTGTTCCTCAGTGTGAAGCCATTGA AAGGTAAGTTTGATATATAAATGTTTACCTCACAAGTGGTGTTCAGAAAAGTTAAGGCAC GGAATTGTGCAAGCAATACTACTGTTTGGTTAAATATATNTTCAAGTAATGATTCT AACAGCCAGTAATTTTTTTTTTTTTTTTCTTTGACCTTCCTCTTTATTTGGGTATGGA AAAGTCAGACACTCTAAATGTANGAGAAAACACTGTGAGAAAATTTTGGATAAAATAT ATNCAGNTTGTGTTTTAAAAAATGAAGTAGTTCAGTAGGATATTGCCCCCTGCCNCCAGCT TTTATTTNATTTTATTTAACTTTATTTTATAGATATGGGGNCTTACTCTNGTCGCCAGN CTGGAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_018944
Insert Size:	2500 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018944.2</u> , <u>NP_061817.1</u>
RefSeq Size:	1587 bp
RefSeq ORF:	702 bp
Locus ID:	54069

UniProt ID: [Q9NYP9](#)

Cytogenetics: 21q22.11

Gene Summary: Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.[UniProtKB/Swiss-Prot Function]