

Product datasheet for **SC305524**

CHREBP (MLXIPL) (NM_032952) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHREBP (MLXIPL) (NM_032952) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHREBP
Synonyms:	bHLHd14; CHREBP; MIO; MLX; MONDOB; WBSCR14; WS-bHLH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_032952 edited
 ATGGCCGGCGCGTGGCAGGTCTGGCCGCGGGCTTGCAGGTCCCAGCGGGTTCGCGCCAGC
 CCAGACTCGGACTCGGACACAGACTCGGAGGACCCGAGTCTCCGGCGCAGCGCGGGCGGC
 TTGCTCCGCTCGCAGGTATCCACAGCGGTCACTTATGGTGTGTCGCCGCACAGCGAC
 TCGCTGCCCGGGCGCGCAGCAGGAGGGTCCGTGGGGCCCTCCGACTTCGGGCCGCGC
 AGTATCGACCCACACTCACACGCCTCTCGAGTGTGAGCCTGGCCTACAGTGGCAAG
 CTGGTGTCTCCAAGTGAAGAATTTCAAGGCCTCAAGCTGCTCTGCAGAGACAAGATC
 CGCTGAACAACGCCATCTGGAGGGCCTGGTATATCCAGTATGTGAAGCGGAGGAAGAGC
 CCCGTGTGTGGTTCGTGACCCCTGCAGGGCCTGAGGCTGATGCGCACCGGAAGCCG
 GAGGCCGTGGTCTGGAGGGAACTACTGGAAGCGGCGCATCGAGGTGGTGTGATGCGGGAA
 TACCACAAGTGGCGCATCTACTACAAGAAGCGGCTCCGTAAAGCCAGCAGGGAAGATGAC
 CTCCTGGCCCTAAGCAGGCGGAAGGCAGGTGGCCGCCCGGAGCAATGGTGCAAAACAG
 CTCTTCCAGTGTGGTCCCGTGTCTGGGGACCCAGAGGAGGAGCCGGGTGGGCGG
 CAGCTCCTGGACCTCAATTGCTTTTGTCCGACATCTCAGACACTCTTTCACCATGACT
 CAGTCCGGCCCTTCGCCCTGCAGTGCAGCCTGAGGATGCCTACGTCCGCAATGCTGAC
 ATGATCCAGCCGACCTGACGCCACTGCAGCCAAGCCTGGATGACTTCATGGACATCTCA
 GATTTCTTACCAACTCCCGCCTCCACAGCCGCCATGCCTTCAAACCTCCAGAGCCC
 CCCAGCTTCAGCCCCGTGGTGGTACTCCCTTTCAGCAGTGGGACCCCTGGGCCAGAGGTG
 CCCCCGGCTTCTCGGCCATGACCCACCTCTTGACACAGCCGTCTGCAGGCTCGGAAC
 AGCTGCCTGGCCCTTGGACTCCAGCGCCTTCTGAGTCTGATTTCTCTTCTTCTGAA
 GACCCCAAGCCCCGGCTCCCACCCCTCCTGTACCCACCTCTGCTGCATTACCTCCC
 CCTGCCAAGGTGCCAGGCTGGAGCCCTGCCCCACCTCCCTTCCCTCCATGGCACCA
 CCACTGCTTTGCTGCAGGAAGAGCCTCTTTCTCTCCAGGTTTCCCTTCCCCACCGTC
 CCTCTGCCCCAGGAGTGTCTCCGCTGCCTGCTCCTGCAGCCTTCCCACCCACCCACAG
 TCTGTCCCCAGCCAGCCCCACCCCTTCCCATAGAGCTTCTACCTTGGGGTATTG
 GAGCCTGCCTTTGGGCTTGTCTTCTCCATGCCAGAGGAAGCCCCCGCCCATCCCCT
 AGGGGACAGAAAGCCAGCCCCCTACCTTAGCCCTGCCACTGCCAGTCCCCCACCCT
 GCGGGGAGCAACAACCCCTGCCTCACACAGCTGCTCACAGCAGCTAAGCCGGAGCAAGCC
 CTGGAGCCACCCTTGTATCCAGCACCTCCTCCGGTCCCAGGGTCCCCGAGGAGACA
 GTCCCTGAATCCCTGCACATTCCTTCCCCGACCCCGGCCCTACACCGCCCCGGCCA
 CCTCCAGGCCCGCCACATTGGCCCTTCCAGGCCCTGCTTGTCCCAAAGCGGAGCGG
 CTCTACCCCCAGCGCCAGCGGAGTGAACGGCGGCTGTGAGGGACCTCAGCTCCATG
 CCAGGCCCTGGGACTCTGAGCGTCCGTGTCTTCCCCGCAACCCATCCTCAGCCGGGGC
 CGTCCAGACAGCAACAAGACCGAGAACCGGCGTATCACACACATCTCCGCGGAGCAGAAG
 CGGCGCTTCAACATCAAGCTGGGGTTTGACACCTTTCATGGGCTCGTGGACACTCAGT
 GCCCAGCCAGCCTCAAGGAGCGTGCAGGCTTGCAGGAGGAGGCCAGCAGCTGCGGGAT
 GAGATTGAGGAGCTCAATGCCGCCATTAACCTGTGCCAGCAGCAGCTGCCGCCACAGGG
 GTACCCATCACACACCAGCGTTTTGACCAGATGCGAGACATGTTTGTGACTACGTCCGA
 ACCCGTACGCTGCACAACCTGGAAGTTCTGGGTGTTGAGCATCCTCATCCGGCCTGTGTT
 GAGTCCTTCAACGGGATGGTGTCCACGGCAAGTGTGCACACCCTCCGCCAGACCTACTG
 GCCTGGCTGGACAGTACTGCTCTGCCCCGCTTCCGGCCAACCTGCTCTGAACTCCCTA
 CGCCAGCTGGGCACATCTACCAGTATCCTGACCGACCCGGGCCGATCCCTGAGCAAGCC
 ACACGGGCAGTCACAGAGGGCACCTTGGCAAACCTTTATAG

Restriction Sites: Please inquire
ACCN: NM_032952
Insert Size: 3200 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_032952.2</u> , <u>NP_116570.1</u>
RefSeq Size:	3231 bp
RefSeq ORF:	2502 bp
Locus ID:	51085
UniProt ID:	<u>Q9NP71</u>
Cytogenetics:	7q11.23
Gene Summary:	<p>This gene encodes a basic helix-loop-helix leucine zipper transcription factor of the Myc/Max/Mad superfamily. This protein forms a heterodimeric complex and binds and activates, in a glucose-dependent manner, carbohydrate response element (ChoRE) motifs in the promoters of triglyceride synthesis genes. The gene is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at chromosome 7q11.23. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a shorter protein (isoform beta).</p>