

## Product datasheet for **SC305526**

### CHREBP (MLXIPL) (NM\_032954) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHREBP (MLXIPL) (NM_032954) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHREBP
Synonyms:	bHLHd14; CHREBP; MIO; MLX; MONDOB; WBSCR14; WS-bHLH
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC305526 sequence for NM\_032954 edited (data generated by NextGen Sequencing)

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ATGGCCGGCGCTGGCAGGTCTGGCCGCGGGCTTGCAGGTCCCAGGGTTCGCGCCAGCCAGACTCGG
ACTCGGACACAGACTCGGAGGACCCGAGTCTCCGGCCAGCGCGGGCGGTTGCTCCGCTCGCAGGTCAT
CCACAGCGGTCACTTTCATGGTGTCTGCGCCACAGCGACTCGTCCCCGGCGGCGACAGGAGGGG
TCCGTGGGGCCCTCCGACTTCGGGCCGCGCAGTATCGACCCACACTCACACGCCTTTCGAGTGTGA
GCCTGGCCTACAGTGGCAAGCTGGTGTCTCCCAAGTGAAGAATTTCAAAGGCCTCAAGTGTCTGCAG
AGACAAGATCCGCTGAACAACGCCATCTGGAGGGCCTGGTATATCCAGTATGTGAAGCGGAGGAAGAGC
CCCGTGTGTGGCTTCGTGACCCCTGCAGGGCCTGAGGCTGATGCGCACCGGAAGCCGGAGGCGGTGG
TCCTGGAGGGAACTACTGGAAGCGGCGCATCGAGGTGGTGTGCGGGAATACCACAAGTGGCGCATCTA
CTACAAGAAGCGGCTCCGTAAGCCAGCAGGGAAGATGACCTCCTGGCCCTAAGCAGGCGGAAGGCAGG
TGGCCCGCGGAGCAATGGTCAAACAGCTCTTCTCCAGTGTGGTCCCCTGTCTGGGGGACCCAG
AGGAGGAGCCGGTGGGCGGCAGCTCCTGGACCTCAATTGCTTTTGTCCGACATCTCGGACACTCTTT
CACCATGACTCAGTCCGGCCCTTCGCCCCGACGCTGCCGCTGAGGATGCCTACGTCCGCAATGCTGAC
ATGATCCAGCCGACCTGACGCCACTGCAGCAAGCCTGGATGACTTCATGGACATCTCAGATTTCTTTA
CCAACTCCCGCTCCACAGCCGCCATGCCTTCAAATTTCCAGAGCCCCCAGCTTACGCCCCGTGGT
TGACTCCCTCTTTCAGCAGTGGGACCCCTGGGCCCAGAGGTGCCCGGCTTCTCGGCCATGACCCACCTC
TCTGGACACAGCCGTCTGAGGCTCGGAACAGCTGCCCTGGCCCTTGGACTCCAGCGCCTTCTGAGTT
CTGATTTCTCTTCTGAAGACCCCAAGCCCGGCTCCCACCCCTCCTGTACCCACCTCTGCTGCA
TTACCTCCCCCTGCCAAGGTGCCAGGCTGGAGCCCTGCCCCACCTCCCTCCCTCCATGGCACCA
CCCAGTCTTGGCTGCAGGAAGAGCCTCTCTTCTCCAGGTTTCCCTTCCCCACCGTCCCTCCCTGCC
CAGGAGTGTCTCCGCTGCCTGCTCCTGCAGCCTTCCCACCCACCCACAGTCTGTCCCCAGCCAGCCCC
CACCCCTTCCCATAGAGCTTCTACCCTTGGGGTATTTCGGAGCCTGCCTTTGGGCTTGTCTTCCATG
CCCAGAGGCAAGCCCCCGCCCCATCCCTAGGGGACAGAAAGCCAGCCCCCTACCTTAGCCCTGCCA
CTGCCAGTCCCCCACCCTGCGGGGAGCAACAACCCCTGCCTCACACAGCTGCTCACAGCAGCTAAGCC
GGAGCAAGCCCTGGAGCCACCCTTGTATCCAGCACCCCTCCTCCGGTCCCAGGGTCCCCGAGGAGACA
GTCCCTGAATTCCTTGCACATTCCTTCCCCGACCCCGGCCCTACACCCCGGCCACCTCCAGGCC
CGGCCACATTGGCCCTTCCAGGCCCTGCTTGTCCCCAAAGCGGAGCGGCTCTACCCCGAGCCCCAG
CGGCAGTGAACGGCGGCTGTCAGGGGACCTCAGTCCATGCCAGGCCCTGGGACTCTGAGCGTCCGTGTC
TCTCCCCCGCAACCCATCCTCAGCCGGGCGCTCCAGACAGCAACAAGAACCAGGCGTATCACACATCT
CCGCGGAGCAGAAGCGGCGCTTCAACATCAAGCTGGGGTTTGACACCCCTCATGGGCTCGTGAGCACT
CAGTGCCAGCCAGCCTCAAGGAGCGTGCAGGCTTGCAGGAGGAGGCCAGCAGCTGCGGGATGAGATT
GAGGAGCTCAATGCCGCATTAACCTGTGCCAGCAGCAGCTGCCCGCCACAGGGGATCCCATCACACACC
AGCGTTTTGACCAGATGCGAGACATGTTTGTGACTACGTCCGAACCCGTACGCTGCACAACCTGGAAGTT
CTGGGTGTTTCCAGATCCTCATCCGGCCTCTGTTTGTGAGTCTTCAACGGGATGGTGTCCACGGCAAGTGTG
CACACCTCCGCCAGACCTCACTGGCCTGGCTGGACCAGTACTGCTCTCTGCCCGCTCTCCGGCCAACTG
TCCTGAACTCCCTACGCCAGCTGGGCACATCTACCAGTATCCTGACCCAGCCGGGCGCATCCCTGAGCA
AGCCACACGGGAGTACAGAGGGCACCCCTTGGCAAACCTTTATAG
    
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Clone variation with respect to NM\_032954.2  
759:g=>a

**Restriction Sites:** Please inquire  
**ACCN:** NM\_032954  
**Insert Size:** 3200 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_032954.2</a></u> , <u><a href="#">NP_116572.1</a></u>
<b>RefSeq Size:</b>	3225 bp
<b>RefSeq ORF:</b>	2496 bp
<b>Locus ID:</b>	51085
<b>UniProt ID:</b>	<u><a href="#">Q9NP71</a></u>
<b>Cytogenetics:</b>	7q11.23
<b>Gene Summary:</b>	<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 (4) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a shorter protein (isoform delta).</p>