

Product datasheet for **SC305523**

CHREBP (MLXIPL) (NM_032951) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHREBP (MLXIPL) (NM_032951) Human Untagged Clone
Tag: Tag Free
Symbol: CHREBP
Synonyms: bHLHd14; CHREBP; MIO; MLX; MONDOB; WBSCR14; WS-bHLH
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032951 edited
 CGGCGGGACAGCCATGGCCGGCGCTGGCAGGTCTGGCCGGGCTTGCAGTCCCGC
 GGGTCGGCCAGCCAGACTCGGACTCGGACACAGACTCGGAGGACCCGAGTCTCCGGC
 GCAGCGGGCGGCTTGCTCCGCTCGCAGGTATCCACAGCGGTCACTTATGGTGTCT
 CGCCGCACAGCGACTCGCTGCCCGGCGCGACCAGGAGGGTCCGTGGGGCCCTCCG
 ACTTCCGGCCCGCAGTATCGACCCCACTCACACGCCTCTTCGAGTGTGAGCCTGG
 CCTACAGTGGCAAGCTGGTGTCTCCAAGTGAAGAATTTCAAAGGCCTCAAGTGTCT
 GCAGAGACAAGATCCGCCTGAACAACGCCATCTGGAGGGCCTGGTATATCCAGTATGTGA
 AGCGGAGGAAGAGCCCGTGTGTGGCTTCGTGACCCCTGCAGGGCCTGAGGCTGATG
 CGCACCAGGAGCCGAGGCGGTCTGGAGGGAACTACTGGAAGCGGCATCGAGG
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 GCAGGGAAGATGACCTCCTGGCCCTAAGCAGGCGGAAGCAGGTGGCCGCCCGGAGC
 AATGGTGAACAGCTCTTCTCCAGTGTGGTCCCGTGTCTGGGGACCCAGAGGAGG
 AGCCGGGTGGGCGCAGCTCCTGGACCTCAATTGCTTTTTGTCCGACATCTCGGACTC
 TCTTACCAGTCACTAGTCCGGCCCTTCGCCCCTGCAGCTGCCGCTGAGGATGCCTACG
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 TGCATTACCCTCCCTGCCAAGGTGCCAGGCTGGAGCCTGCCCCACCTCCCTTCC
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 CCTTCCCACCGTCCCTCCTGCCAGGAGTGTCTCCGCTGCCTGCTCCTGCAGCCTTCC
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 CCTTGGGGTATTCGGAGCCTGCCTTTGGCCTTGTCTCCATGCCAGAGGCAAGCCCC
 CGCCCCATCCCCTAGGGGACAGAAAGCCAGCCCCCTACCTTAGCCCTGCCACTGCCA



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GTCCCCCACCCTGCGGGGAGCAACAACCCCTGCCTCACACAGCTGCTCACAGCAGCTA
AGCCGGAGCAAGCCCTGGAGCCACCCTTGTATCCAGCACCCCTCCTCCGGTCCCCAGGGT
CCCCGCAGGAGACAGTCCCTGAATTCCCCTGCACATTCCTTCCCCGACCCCGGCCCTA
CACCGCCCCGGCCACCTCCAGGCCCGGCCACATTGGCCCTTCCAGGCCCTGCTTGTC
CCAAAGCGGAGCGGCTCTACCCCCAGCGCCAGCGGCAGTGAACGGCGGCTGTCAGGGG
ACCTCAGTCCATGCCAGGCCCTGGGACTCTGAGCGTCCGTGTCTCTCCCCGCAACCCA
TCCTCAGCCGGGGCCGTCCAGACAGCAACAAGACCGAGAACC GGCGTATCACACACATCT
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TGAGCACACTCAGTGCCAGCCAGCCTCAAGGTGAGCAAAGCTACCACGCTGCAGAAGA
CAGCTGAGTACATCCTTATGCTACAGCAGGAGCGTGCGGGCTTG CAGGAGGAGGCCAGC
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CCGCCACAGGGGTACCCATCACACACCAGCGTTTTGACCAGATGCGAGACATGTTTGATG
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GGAGACACCAGGGCCAGAGTGACCACAGCAGGGCAGGCATCATGTGTGTGTGTGTGTG
GATGTGTGTGTGGTTTTGTAAGAATTCTTGACCAATAAAGCAAAAACCTGTCAAAA
AAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_032951
- 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_032951.2.
- 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.

RefSeq: [NM_032951.2](#), [NP_116569.1](#)

RefSeq Size: 3288 bp

RefSeq ORF: 2559 bp

Locus ID: 51085

UniProt ID: [Q9NP71](#)

Cytogenetics: 7q11.23

Gene Summary: 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (alpha).