

Product datasheet for **RG212773**

CHREBP (MLXIPL) (NM_032952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHREBP (MLXIPL) (NM_032952) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHREBP
Synonyms:	bHLHd14; CHREBP; MIO; MLX; MONDOB; WBSCR14; WS-bHLH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212773 representing NM_032952
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCGCGCTGGCAGGTCTGGCCGGGGCTTGCAGGTCCCAGGGTTCGCGCCAGCCAGACTCGG
 ACTCGGACACAGACTCGGAGGACCCGAGTCTCCGGCGCAGCGCGGGCGGCTTGCTCCGCTCGCAGGTCAT
 CCACAGCGGTCACTTCATGGTGTGTCGTCGCCGACAGCGACTCGTGCCTCCGGCGCGCGACCAGGAGGGG
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 GCCTGGCTACAGTGGCAAGCTGGTGTCTCCCAAGTGAAGAATTTCAAAGGCCTCAAGTGTCTGACAG
 AGACAAGATCCGCTGAACAACGCCATCTGAGGGCCTGGTATATCCAGTATGTGAAGCGGAGGAAGAGC
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 TCCTGGAGGGAACTACTGGAAGCGGCGCATCGAGGTGGTATGCGGGAATACCACAAGTGGCGCATCTA
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 TGGCCCGCGCGGAGCAATGGTGCAAACAGCTTCTCCAGTGTGGTCCCGTGTGCTGGGGGACCCAG
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 GTCCTGAATTCCTGACATTCCTTCCCGGACCCCGCCCTACACCGCCCCGGCCACCTCCAGGCC
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 CACTCAGTCCCAGCCAGCTCAAGGAGCGTGCAGGCTTGCAGGAGGAGGCCAGCAGCTGCGGGAT
 GAGATTGAGGAGCTCAATGCCGCCATTAACCTGTGCCAGCAGCAGTGCCTGCCACAGGGTACCCATCA
 CACACCAGCGTTTGGACAGATGCGAGACATGTTTGATGACTACGTCGGAACCCGTACGCTGCACAACTG
 GAAGTTCTGGGTGTTGACATCCTCATCCGGCTCTGTTGAGTCTTCAACGGGATGGTGTCCACGGCA
 AGTGTGCACACCCCTCCGCCAGACCTCACTGGCCTGGCTGGACCAGTACTGCTCTGCCCCGCTCCGGC
 CAACTGTCTGAACTCCCTACGCCAGTGGGCACATCTACCAGTATCCTGACCGACCCGGCCGCATCCC
 TGAGCAAGCCACACGGGAGTACAGAGGGCACCTTGGCAAACCTTTA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG212773 representing NM_032952
 Red=Cloning site Green=Tags(s)

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MAGALAGLAAGLQVPRVAPSPDSDSDTDSSEPSLRRSAGLLRSQVIHSGHFMVSSPHSDSLPRRRDQEG
SVGPSDFGPRSIDPTLTRLFECLSLAYSGKLVSPKWNFKGLKLLCRDKIRLNNAIWRAWYIQYVKKRKS
PVCGFVTPLQGPEADHRKPEAVVLEGNVWKRRIEVMREYHKWRIYYKKRLRKPSREDDLLAPKQAEGR
WPPPEQWCKQLFSSVVPVLLGDPEEEPGGRQLLDLNCFLSDISDTLFTMTQSGPSPLQLPPEDAYVGNAD
MIQPDLTPLQPSLDDFMDISDFFTNSRLPQPPMPSNFPEPPSFSPVVDSLFSSTLGPVPPASSAMTHL
SGHSRLQARNSCPGPLDSSAFLSSDFLLPEDPKPRLPPPVPPPPLLHYPPPAKVPGLEPCPPPPFPPMAP
PTALLQEEPLFSPRFPFPTVPPAPGVSPLPAPAAFPPTPQSVSPAPTFFPIELLPLGYSEPAFGPCFSM
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VPEFPCTFLPPTPAPTPRRPPPGPATLAPSRPLLVPKAERLSPAPSGSERLGGDLSSMPGPGTLSVRV
SPPQPIILSRGRPDSNKTENRRITHISAEQKRRFNKLGFDLHGLVSTLSAQPSLKERAGLQEEAQQLRD
EIEELNAAINLCQQQLPATGVPIHQRFQMRDMFDDYVTRTRLHNWKFVVFILIRPLFESFNGMVSTA
SVHTLRQTSALWLDQYCSLPALRPTVLNSLRQLGTSTLILTDPGRIPEQATRAVTEGTLGKPL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

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_032952.3](#)

RefSeq Size: 3231 bp

RefSeq ORF: 2502 bp

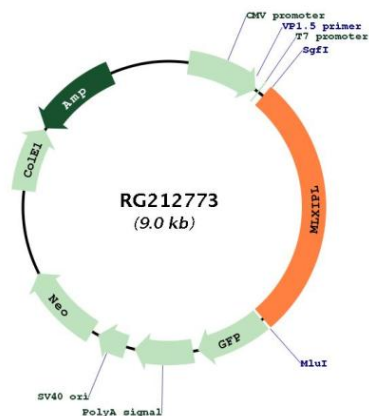
Locus ID: 51085

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]

Product images:



Circular map for RG212773