

Product datasheet for MR202773

Ebp (NM_007898) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ebp (NM_007898) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ebp
Synonyms:	AI255399; m; mSI; P; Pabp; SI; Td
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202773 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACCAATACGGTCCCCTTGCACCCGTAAGCTGGACAACTTCGTGCCTA
ATGACCTCCCGACTTCGCATATCCTGGTTGGCCTCTTCTCCATCTCTGGGGCCTAATTGTGATCACGTG
GCTGTTGTCTAGCCGAGCTTCCGTCGTCCCACTGGAGCTGGGCGGCGACTGGCCTTGCTGCTGTTTGT
GTGTGTACCTTCATTACCTTGTGATCGAGGGCTGTTCTCTCTACAATGGCATCCTTTAGAAGACC
AAGCCTTCTTATCCCACTCTGAAAGAGTATTCCAAGGAGATAGCCGATATATCCTTAGTGACAGCTT
CGTCGTCTGTATGGAGACTGTCACAGCTTGTCTCTGGGGACCACTCAGCCTATGGGTAGTGATTGCCTTT
CTCCGCCAACAGCCCTTCCGCTTGTCCCTACAGCTTGTGGTGTCTATGGGCCAGATACGGGGATGTGC
TGTAATCCTGACAGAGCTACACGAAGGACTCCAGCATGGGGAGATAGGCCACCCCGTTTATTTCTGGTT
CTATTTTGTTCCTGAATGCTGTATGGTTGGTGATACCAAGCATCCTTGTGCTTGATGCCATAAAGCAT
CTCACTAGTGCCAGAGCGTGCTGGACAGCAAAGTCATGAAAATTAAGAGCAAGCATAAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202773 protein sequence
Red=Cloning site Green=Tags(s)

MTTNTVPLHPYWRHLKLDNFVNDLPTSHILVGLFSISGGLIVITWLLSSRASVPLGAGRRLALCWFA
 VCTFIHLVIEGWFSLYNGILLEDQAFLSQLWKEYSKGDSRYILSDSFVVCMETVTAACLGPLSLWVVI AF
 LRQQPFRFVLQLVSMGQIYGDVLYFLTELHEGLQHGEIGHVPVYFWFYFVFLNAVWLVIPSILVLD AIKH
 LTSAQSVLDSKVMKIKSKHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007898

ORF Size: 693 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_007898.3](#)

RefSeq Size: 1755 bp

RefSeq ORF: 693 bp

Locus ID: 13595

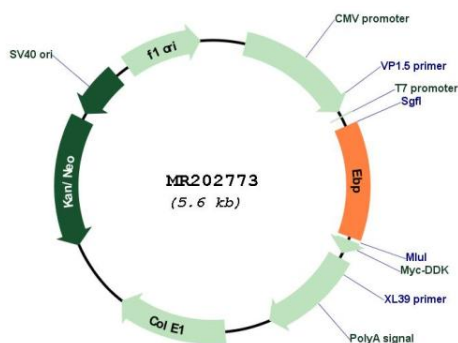
UniProt ID: [P70245](#)

Cytogenetics: X 3.7 cM

MW: 26.2 kDa

Gene Summary: This gene encodes a transmembrane protein that localizes to the endoplasmic reticulum. This protein catalyses the conversion of delta8 to delta7 sterols, an important step in sterol biosynthesis. Mutations in this gene are responsible for the mouse tattered mutant phenotype. Tattered males are embryonic lethal, while heterozygous females have developmental defects. Deficiency of the related gene in human causes X-linked dominant chondrodysplasia punctata. [provided by RefSeq, May 2015]

Product images:



Circular map for MR202773