

Product datasheet for **MG202773**

Ebp (NM_007898) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ebp (NM_007898) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Ebp |
| Synonyms: | AI255399; m; mSI; P; Pabp; SI; Td |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG202773 representing NM_007898 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACCAATACGGTCCCCTTGACCCGTAAGCTGGACAACTTCGTGCCTA
ATGACCTCCCAGCTTCGCATATCCTGGTTGGCCTCTTCTCCATCTCTGGGGCCTAATTGTGATCACGTG
GCTGTTGTCTAGCCGAGCTTCCGTCGTCCCACTGGAGCTGGCGGCGACTGGCCTGTGCTGGTTTGT
GTGTGTACCTTCATTACCTTGTGATCGAGGGCTGGTTCTCTCTACAATGGCATCCTTTAGAAGACC
AAGCCTTCTTATCCCAACTCTGAAAGAGTATTCCAAGGGAGATAGCCGATATATCCTTAGTGACAGCTT
CGTCGTCTGTATGGAGACTGTCACAGCTTGTCTCTGGGGACCACTCAGCCTATGGGTAGTGATTGCCTTT
CTCCGCCAACAGCCCTTCCGCTTTGTCCTACAGCTTGTGGTGTCTATGGGCCAGATACGGGGATGTGC
TGTAATTCCTGACAGAGCTACACGAAGGACTCCAGCATGGGGAGATAGGCCACCCCGTTTATTTCTGGTT
CTATTTTGTTTTCTGAATGCTGTATGGTTGGTGATACCAAGCATCCTTGTGCTTGATGCCATAAAGCAT
CTCACTAGTGCCAGAGCGTGCTGGACAGCAAAGTCATGAAAATTAAGAGCAAGCATAAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG202773 representing NM_007898
 Red=Cloning site Green=Tags(s)

MTTNTVPLHPYWRHLKLDNFVNDLPTSHILVGLFSISGGLIVITWLLSSRASVPLGAGRRLALCWFA
 VCTFIHLVIEGWFSLYNGILLEDQAFLSQLWKEYSKGDSRYILSDSFVVCMETVTAACWGPLSLWVVI AF
 LRQQPFRFVLQLVYSMGQIYGDVLYFLTELHEGLQHGEIGHYPVYFWFYFVFLNAVWLVIPSILVLDAIKH
 LTSAQSVLDSKVMKIKSKHN

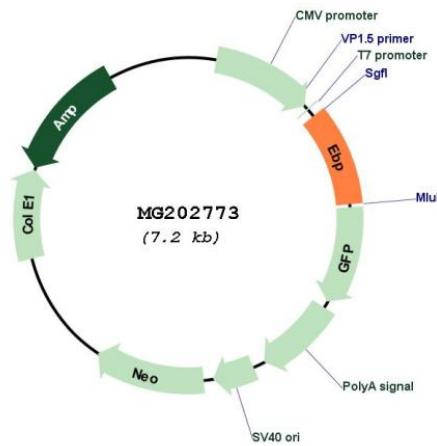
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007898

ORF Size: 690 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: | <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: | NM_007898.3 |
| RefSeq Size: | 1755 bp |
| RefSeq ORF: | 693 bp |
| Locus ID: | 13595 |
| UniProt ID: | P70245 |
| Cytogenetics: | X 3.7 cM |
| 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] |