

Product datasheet for **MG200992**

Ttr (NM_013697) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ttr (NM_013697) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ttr
Synonyms: AA408768; AI787086; D17860; prea; prealbumin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200992 representing NM_013697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCCCTTCGACTCTTCTCCTTTGCCTCGCTGGACTGGTATTTGTGTCTGAAGCTGGCCCCGCG
 GTGCTGGAGAATCCAAATGTCCTCTGATGGTCAAAGTCTGGATGCTGTCCGAGGCAGCCCTGCTGTAGA
 CGTGGCTGTAAAAGTGTCAAAGACCTCTGAGGGATCCTGGGAGCCCTTTCCTCTGGGAAGACCGCG
 GAGTCTGGAGAGCTGCACGGCTCACCACAGATGAGAAGTTTGTAGAAGGAGTGTACAGAGTAGAACTGG
 ACACCAAATCGTACTGGAAGACTTGGCATTTCCTCCATGAATTCGCGGATGTGGTTTTTCACAGC
 CAACGACTCTGGCCATCGCCACTACCCATCGCAGCCCTGCTCAGCCCATCTCCTACAGCACCACGGCT
 GTCGTCAGCAACCCCAAGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200992 representing NM_013697
 Red=Cloning site Green=Tags(s)

MASLRLFLLCLAGLVFVSEAGPAGAGESKPLMVKVLDAVRGSPAVDVAVKVFKKTSEGSWEPFASGKTA
 ESGELHGLTTDEKFVEGVYRVELDTKSYWKTGISPHEFADVFTANDSGHRHYIAALLSPYSYSTTA
 VVSNPQN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:



ACCN: NM_013697

ORF Size: 441 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_013697.5](#)

RefSeq Size: 1052 bp

RefSeq ORF: 444 bp

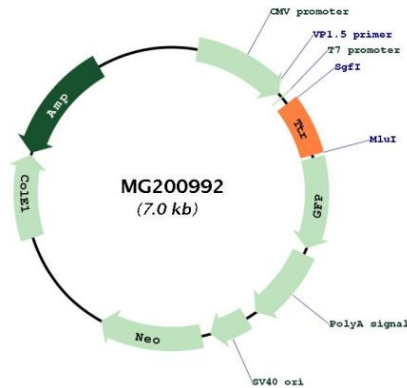
Locus ID: 22139

UniProt ID: [P07309](#)

Cytogenetics: 18 11.47 cM

Gene Summary: This gene encodes a carrier protein responsible for the transport of thyroid hormones and retinol. The protein consists of a tetramer of identical subunits. Due to increased stability of the tetramer form of this encoded protein in mouse, compared to the human protein, this gene product has a reduced tendency to form amyloid fibrils. In humans, this protein binds beta-amyloid preventing its aggregation and providing a neuroprotective role in Alzheimer's disease. [provided by RefSeq, Mar 2010]

Product images:



Circular map for MG200992