

Product datasheet for **MG216462**

Tspo2 (NM_027292) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Tspo2
Synonyms: 2510027D20Rik; Bzrp11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216462 representing NM_027292
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCTTCAAGGACCTGTCTTTGTAGGTGTGCCCTGCTGGGGCCATCCTGATTTGTATGCTCATT
ATCAGCCATCCAGTCGGTGTGAGGATGAGAGAAAGTTACCCTGGTCCCCACCTCACAAGGTCATATTGCT
TGTGTGGGTGACCATCTACTCTGTCATGGGCTATGCCTCCTACCTGGTATGGAAGGAACTCGGAGGGGGC
TTCCGGTGGCCCCTAGCACTGCCCTTGGTCTCTACTCTTCCAGCTGGCCCTCAGCTGGACTTTCTTGG
TGCTCTTCTGGCAGCCGACGCCCTGGGCTGGCCCTCCTGGACCTCTTACTGCTCTATGGACTGGTAGC
AAGCTGGTGTATCTGGCAGCCAATCAACAAGCTGGCTGCTCTGCTCCTCCTGCCCTACCTGGCCTGG
CTCACTGTGACCACCGCATCACCTACCGCTGTGGAGGGACAGCTTGTGTCCAACGTACCAGCT

ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216462 representing NM_027292
Red=Cloning site Green=Tags(s)

MLQGPVFGVPLLGPIILICMLIHQPSSRCEDERKLPWCPPHKVILLVWVTIYSVMGYASYLVWKEGGG
FRWPLALPLGLYSFQLALSWTFLVFLAADSPGLALLDLLLYGLVASLVFIWQPINKLAALLLPPYLAW
LTVTTAITYRLWRDSLCPYQP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_027292

ORF Size: 486 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027292.2](#), [NP_081568.1](#)

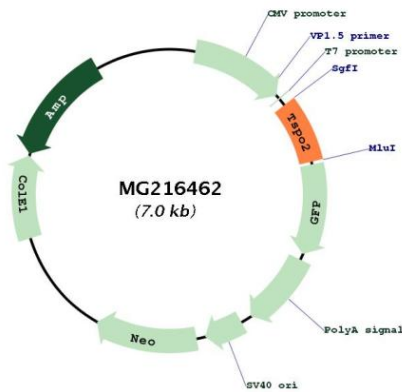
RefSeq Size: 935 bp
 RefSeq ORF: 489 bp
 Locus ID: 70026

UniProt ID: [Q9CRZ8](#)

Cytogenetics: 17 C

Gene Summary: Binds cholesterol and mediates its redistribution during erythropoiesis which may play a role in erythrocyte maturation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216462