

Product datasheet for **MG201061**

Thrsp (NM_009381) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thrsp (NM_009381) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Thrsp
Synonyms: S14; SPOT14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201061 representing NM_009381
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGTGCTAACGAAACGCTATCCCAAGAAGCTGCTGCTGACAGTCATGGATCGGTA**CTCCGCGGTGG**
TGCGGAACATGGAGCAGGTGGTATGATCCCCAGCCTTCTGAGGGATGTGCAGCTGAGTGGGCTGGGG
CTCGGTCCAGGACGGAGCCCTGATCTCTATACCTACTTCACCATGCTCAAGAGCATCTGTGTAAGTG
GACCACGGGCTGCTGCCAAGGGAGGAATGGCAGGCCAAGGTGGCTGGCAACGAAACCAGCGAGGCTGAGA
ACGACGCTGCTGAAACGGAGGAGGCCGAAGAAGACAGGATCTCGGAGGAGCTGGACCTAGAAGCCCAGTT
CCACCTGCACTTCTGCAGCCTCCATCACATCCTTACCCACCTGACCCGGAAGCACAGGAGGTGACGCGG
AAATACCAGGAAATGACAGGGCAGGTCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201061 representing NM_009381
Red=Cloning site Green=Tags(s)

MQVLTKRYPKNLLTVMDRYSAVVRNMEQVVMIPSLLRDVLQSGPGGSVQDGPDLTYFTMLKSIQVEV
DHGLLPREEWQAKVAGNETSEAENDAAETEEAEEDRISEELDLEAQFHLHFCSLHHILHLTRKAQEVTR
KYQEMTGQVL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_009381

ORF Size: 450 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_009381.2](#), [NP_033407.1](#)

RefSeq Size: 1051 bp

RefSeq ORF: 453 bp

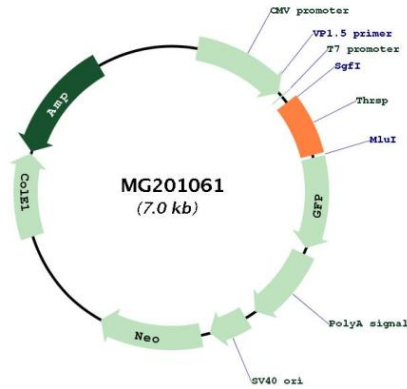
Locus ID: 21835

UniProt ID: [Q62264](#)

Cytogenetics: 7 E1

Gene Summary: Plays a role in the regulation of lipogenesis, especially in lactating mammary gland. Important for the biosynthesis of triglycerides with medium-length fatty acid chains. May modulate lipogenesis by interacting with MID1IP1 and preventing its interaction with ACACA. May function as transcriptional coactivator. May modulate the transcription factor activity of THRB (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201061