

Product datasheet for MR201061

Thrsp (NM_009381) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thrsp (NM_009381) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Thrsp
Synonyms: S14; SPOT14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201061 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAAGTGCTAACGAAACGCTATCCCAAGAACTGCCTGCTGACAGTCATGGATCGGTA**CTCCGCGGTGG**
 TGCGGAACATGGAGCAGGTGGTATGATCCCCAGCCTTCTGAGGGATGTGCAGCTGAGTGGGCTGGGG
 CTGGTCCAGGACGGAGCCCTGATCTCTATACCTACTTCACCATGCTCAAGAGCATCTGTGTAAGTG
 GACCACGGGCTGCTGCCAAGGGAGGAATGGCAGGCCAAGGTGGCTGGCAACGAAACCAGCGAGGCTGAGA
 ACGACGCTGCTGAAACGGAGGAGGCCGAAGAAGACAGGATCTCGGAGGAGCTGGACCTAGAAGCCCAGTT
 CCACCTGCACTTCTGCAGCCTCCATCACATCCTTACCCACCTGACCCGGAAGCACAGGAGGTGACGCGG
 AAATACCAGGAAATGACAGGGCAGGTCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201061 protein sequence
 Red=Cloning site Green=Tags(s)

MQVLTKRYPKNLLTVMDRYSAVVRNMEQVVMIPSLLRDVQLSGPGGSVQDGPDLTYFTMLKSICVEV
 DHGLLPREEWQAKVAGNETSEAENDAAETEEAEEDRISEELDLEAQFHLHFCSLHHILHLTRKAQEVTR
 KYQEMTGQVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_009381

ORF Size: 453 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

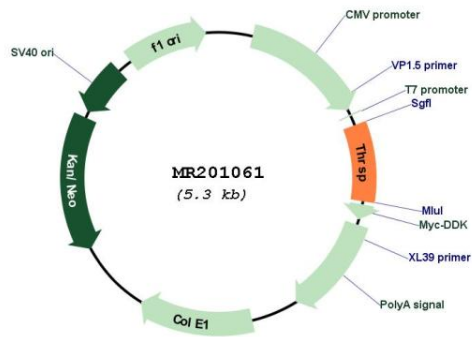
UniProt ID: [Q62264](#)

Cytogenetics: 7 E1

MW: 17.1 kDa

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 MR201061