

Product datasheet for **RG209518**

THSD1 (NM_199263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	THSD1
Synonyms:	ANIB12; TMTSP; UNQ3010
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG209518 representing NM_199263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAACCAATGTTGAAAGACTTTTCAAATCTATTGTTGGTGGTACTCTGTGACTATGTTCTTGAGAAG
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 GTATTTTGTGGTCTAATGGGACACTGAGGAATGTATCTGTCTGCTGTTGGAGGCCAACCAATCAG
 ACTGTAACACCAAGTACCTCTGACCAACAGTCCCAGGGAACACTAAAGTTTGAGTGCTTCTATTTC
 AGGAGGCTGGTGACTACTGGTTCACAATGACTCCAGAAGCAACAGACAACAGCACTCCATCCCCCTGGT
 GGAGAAAAGTGCCTTTCTGAAGGTGGAATGGCCTGTCTTTCACGTTGACTTGAATAGGAGTGCCAAAGCA
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 TCAAAGCTTCCCCACTACCCCTGAGTTTGCCTTCTATGACAATACGTCGTTTGGCCTCACTGAGGCTGAG
 CAGAGGATGCTGGACCTCCAGGATATTTTGGGTCAAATGAAGAGGATGAAACCACAAGTACACTTAGCG
 TGGAGAAGCTGGTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209518 representing NM_199263

Red=Cloning site Green=Tags(s)

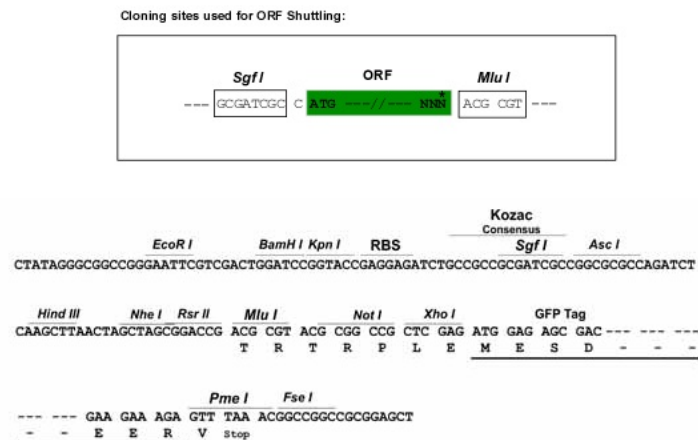
MKPMLKDFSNNLLLVLCYVVGAEYLLLRPGHVALSNDTVYVDFQYFDGANGTLRNVSVLLLEANTNQ
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RTRTCEQAEDRFRPQSRGAHLFPEKLEHFQEASGTRGPLNPLPKSYTLGQPLRKPDLGDHQAQGLVAGIER
TEPHRARRGPPSHKSVSRKQSSPISKPDNYQVSSLSPSQCRKDKCQSFPTHPEFAFYDNTSFGLTEAE
QRMLDLPGYFGSNEEDTTSTLSVEKLV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_199263

ORF Size:

2397 bp

OTI Disclaimer:

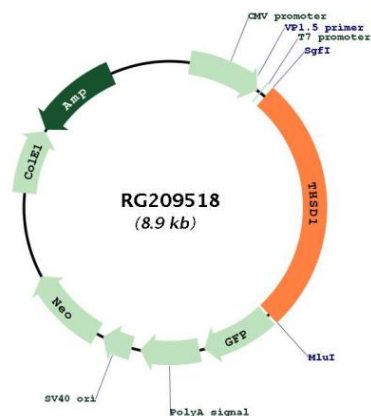
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_199263.3
RefSeq Size:	2896 bp
RefSeq ORF:	2400 bp
Locus ID:	55901
UniProt ID:	Q9NS62
Cytogenetics:	13q14.3
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene contains a type 1 thrombospondin domain, which is found in a number of proteins involved in the complement pathway, as well as in extracellular matrix proteins. Alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Jan 2009]

Product images:



Circular map for RG209518