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Product datasheet for RG212806

THSD1 (NM_018676) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THSD1 (NM_018676) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	THSD1
Synonyms:	ANIB12; TMTSP; UNQ3010
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG212806 representing NM_018676
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCAATGTTGAAAGACTTTTCAAATCTATTGTTGGTGGTACTCTGTGACTATGTTCTTGGAGAAG
CTGAATATCTTCTCTTGAGAGAGCCAGGCCATGTAGCACTAAGCAACGACACAGTGTATGTGGATTTCCA
GTATTTTGATGGTGCTAATGGGACACTGAGGAATGTATCTGTCCTGCTGTTGGAGGCCAACACCAATCAG
ACTGTAACTACCAAGTACCTCCTGACCAACCAGTCCCAGGGAACACTAAAGTTTGAGTGCTTCTATTTCA
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AGTGTAGAAAAGACAAGTGTCAAAGCTTCCCCACTCACCCTGAGTTTGCCTTCTATGACAATACGTCGTT
TGGCCTCACTGAGGCTGAGCAGAGGATGCTGGACCTCCCAGGATATTTTGGGTCAAATGAAGAGGATGAA
ACCACAAGTACACTTAGCGTGGAGAAGCTGGTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212806 representing NM_018676
Red=Cloning site Green=Tags(s)

MKPMLKDFSNLLLVVLCDYVLGEAEYLLLREPGHVALSNDTVYVDFQYFDGANGTLRNVSVLLLEANTNQ
TVTTKYLLTNQSQGTLKFECFYFKEAGDYWFTMTPEATDNSTPFPWWEKSAFLKVEWPVFHVDLNRSAKA
AEGTFQVGLFTSQPLCPFPVDKPNIVVDVIFTNSLPEARRNSRQPLEIRTSKRTELAQGQWVEFGCAPLG
PEAYVTVVLKLLGRDSVITSTGPIDLAQKFGYKLVMVPELTCESGVEVTVLPPPCTFVQGVVTVFKEAPR
YPGKRTIHLAENSLPLGERRTIFNCTLFDMGKNKYCFDFGISSRSHFSAKEECMLIQRNTETWGLWQPWS
QCSATCGDGVRERRRVCLTSFPSSPVCPGMSLEASLCSLEECAAFQPSSPSPLQPQGPVKSNNIVTVTGI
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DTAIDAAPSAPLDLESPEEAAANKFRIKSPFPEQPAVSAGERPPSRLDLNVTQASCAISPSQTLIRKSQA
RHVGSRGGPSERSHARNAHFRRTASFHEARQARPFRERSMSTLTPRQAPAYSSRTRTCEQAEDRFRPQSR
GAHLFPEKLEHFQEASGTRGPLNPLPKSYTLGQPLRKPDLGDHQAGLVAGIERTEPHRARRGPSPSHKSV
SRKQSSPISPKDNYQRVSSLSPSQCRKDKCQSFPTHPEFAFYDNTSFGLTEAEQRMLDLPGYFGSNEEDE
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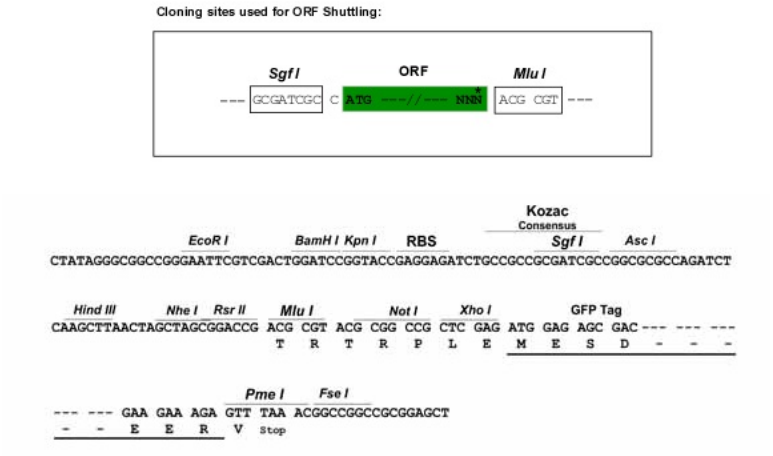
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018676

ORF Size: 2556 bp

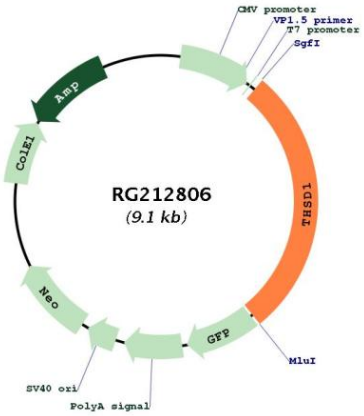
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_018676.4
RefSeq Size:	3054 bp
RefSeq ORF:	2559 bp
Locus ID:	55901
UniProt ID:	Q9NS62
Cytogenetics:	13q14.3
Domains:	tsp_1
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 RG212806