

Product datasheet for **RG234942**

THBS3 (NM_001252608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THBS3 (NM_001252608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	THBS3
Synonyms:	TSP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234942 representing NM_001252608
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACGCAGGAACCTCGGGGGCCCTGGCTCTTCTCCTCTTTGCTTTTTACATCTGCCAGTCAGG
 ATCTGCAGGTAATTGACCTGCTGACTGTGGGCGAGTCTCGGCAGATGGTAGCTGTGGCAGAGAAGATCCG
 GACAGCCTTGCTCACTGCTGGGGACATCTACCTTTATCCACCTTCCGCCTGCCCCCAAGCAGGGTGGT
 GTCCTCTTTGGCCTCTATTCTCGCCAAGACAACACTCGATGGCTGGAGGCCTCTGTTGTAGGCAAGATCA
 ACAAAGTGACCAATGCACTGCACTCCATTCTAGGGGAGCAGACCAAGGCCTGGTCACCCAACTCACCTT
 CTTCAACCAGATCCTGGTGGAGCTGCGGGATGATACGAGACCAGGTGAAGGAAATGTCCTCTGATCCGA
 AACACCATTATGGAGTGTGAGGTGTGCGGCTTCCATGAGCAGCGTTCCCACTGCAGCCCCAATCCCTGCT
 TCCGAGGTGTGGACTGCATGGAAGTGTACGAGTACCCAGGCTACCCTGTGGGCCCTGCCCCCTGGCCT
 GCAGGGCAACGGCACCCACTGCAGTGACATCAATGAGTGTGCTCACGCTGACCCCTGTTTCCCGGGCTCC
 AGCTGCATCAACACCATGCCCGGCTTCCACTGTGAGGCCTGTCTCGAGGGTACAAGGGCACACAGGTGT
 CTGGTGTGGGCATTGACTATGCCCGGGCCAGCAAACAGGTCTGCAATGACATCGATGAATGCAACGATGG
 CAACAATGGTGGCTGTGACCCAACTCCATCTGCACCAACTGTGGGCTCTTCAAGTGTGGTCCCTGC
 CGCCTGGGTTTCTGGGCAACCAGAGCCAGGGCTGCCTCCAGCCCGGACCTGCCACAGCCAGCCACACA
 GCCCTGCCACATCCATGCTCACTGTCTCTTTGAACGCAATGGTGCAGTGTCTGCCAGTGAACGTGGG
 CTGGGCTGGGAATGGGAACGTGTGTGGGACTGACACAGACATCGATGGCTACCCAGACCAAGCACTGCC
 TGCATGGACAACAACAACACTGCAACAGGACAACCTGCCTTTTACACCAACTCTGGGCAGGAAGATG
 CTGATAATGATGGTGTGGGGACCAGTGTGATGATGCTGATGGGGATGGGATCAAGAATGTTGAGGA
 CAACTGCCGGCTGTTCCCAACAAGACCAGCAGAACTCAGATACAGATTCAATTTGGTGTGCCTGTGAC
 AATTGCCCAACGTTCCCAACAATGACCAGAAGGACACAGATGGCAATGGGAAGGAGATGCCTGTGACA
 ACGACGTGGATGGGGATGGCATCCCAATGGATTGGACAATTGCCCTAAAGTCCCAACCCACTACAGAC
 AGACAGGGATGAGGACGGGGTGGGAGATGCTTGCAGACGCTGCCCTGAAATGAGCAATCCTACCCAGACA
 GATGCAGACAGCGACCTGGTGGGGATGTCTGTGATACTAATGAAGACAGCGATGGGGATGGGCATCAGG
 ACACCAAGGACAACCTGCCACAGCTGCCAATAGCTCCAGCTGGACTCTGATAACGATGGACTTGGAGA
 TGAGTGTGATGGGGATGATGACAATGATGGCATCCAGATTATGTGCCTCCTGGTCCCGATAACTGCCGC
 CTGGTACCAATCCCAATCAGAAGGACTCAGATGGCAATGGCGTTGGTGTGTGTGTGAGGATGACTTTG
 ACAATGATGCTGTGGTCGACCCCTGGATGTGTGCTGAAAGTGCAGAGGTAACGCTTACGGATTTTCG
 GGCTATCAGACCGTCTGCTGGATCCTGAGGGTGTGCTCAGATTGACCCAACTGGGTTGTGCTCAAC
 CAGGGCATGGAAATCGTTCAGACCATGAACAGTACCCTGGCTTGGCAGTTGGATACACGGCCTTCAATG
 GTGTGGACTTTGAAGGCACCTTCCATGTGAACACAGTACTGATGATGACTACCGAGGCTTCTCTTCAG
 TTATCAAGACAGTGGCCGCTTCTACGTAGTCATGTGGAAGCAGACCGAGCAGACCTACTGGCAGGCTACA
 CCCTTCCGGGCGGTTGCCAGCCCGGCTGCAGCTCAAGGCAGTGACATCAGTGTCTGGCCAGGTGAGC
 ACCTCCGAAATGCCCTGTGGCATACTGGCCACACCCCTGATCAGGTACGACTGCTGTGGACAGCCACG
 AAATGTGGGCTGGCAGGACAAGACCTCCTATCGCTGGCAGCTTCTGCACCGCCCTCAAGTTGGCTACATT
 CGGGTGAAGCTCTATGAGGGACCCAGCTTGTGGCGGATTCTGGGGTGTGATGACACATCCATCGCGAG
 GGGGGCTCTTGGTGTATTCTGCTTCTCCCAAGAAACATAATTTGGTCCAATCTCCAGTATCGATGCAA
 TGACACAGTGCCTGAGGACTTTGAGCCATTCCGGAGGCAGCTGTCCAGGGAAGGGTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234942 representing NM_001252608
 Red=Cloning site Green=Tags(s)

```

METQELRGALALLLLCFFTSASQDLQVIDLLTVGESRQMVAVAEKIRTALLTAGDIYLLSTFRLPPKQGG
VLFGLYSRQDNTRWLEASVVGKINKVTNALHSILGEQTKALVTQLTLFNQILVELRDDIRDQVKEMSLIR
NTIMECQVCGFHEQRSHCSPNPCFRGVDCMEVYEPGYRCGCPPGLQGNATHCSDINECAHADPCFPGS
SCINTMPGFHCEACPRGYKGTQVSGVGDIDYARASKQVCNDIDECNDGNNGGCDPNSICTNTVGSFKCGPC
RLGFLGNQSQGCLPARTCHSPAHSPIHAHCLFERNGAVSCQCNVWAGNNGVCGTDDTDIDGYPDQALP
CMDNKNKCKQDNCLLTPNSGQEDADNDGVGDQCDDDADGDGDKNVEDNCRLFPNKDQQNSDTSFGDACD
NCPNVPNNDQKDTDGNNGEGDACDNDVDGDIIPNGLDNCVKVPNPLQTDREDEGVGDACDSCPEMSNPTQT
DADSDLVGDVCDTNEGSDGDGHQDTKDNCPLPNSSQLSDNDGLGDECDGDDNDGIPDYVPPGPDNCR
LVPNPNQKDSGNGVGDVCEDDFDNDAVVDPLDVCPEAEVTLTDFRAYQTVVLDPEGDAQIDPNWVVLN
QGMEIVQTMNSDPGLAVGYTAFNGVDFEGTFHVNTVTDDDYAGFLFSYQDSGRFYVVMWKQTEQTYWQAT
PFRAVAQPLQLKAVTSVSGPGEHLRNALWHTGHTPDQVRLWTDPRNVGWRDKEYSRWQLLHRPQVGYI
RVKLYEGPQLVADSGVIIDTSMRGGRLGVFCFSQENIIWSNLQYRCNDTVPEDFEPFRRQLLQGRV
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_001252608.2](#)

RefSeq Size: 2891 bp

RefSeq ORF: 2511 bp

Locus ID: 7059

UniProt ID: [P49746](#)

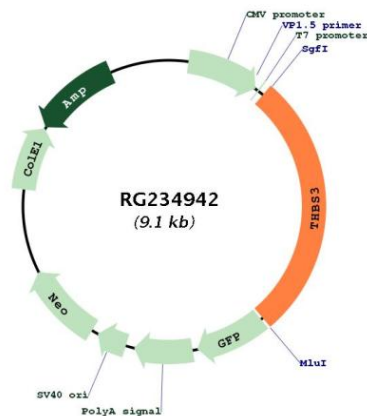
Cytogenetics: 1q22

Protein Families: Druggable Genome

Protein Pathways: ECM-receptor interaction, Focal adhesion, TGF-beta signaling pathway

Gene Summary: The protein encoded by this gene belongs to the thrombospondin family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentameric molecule linked by a single disulfide bond. This gene shares a common promoter with metaxin 1. Alternate splicing results in coding and non-coding transcript variants. [provided by RefSeq, Nov 2011]

Product images:



Circular map for RG234942