

Product datasheet for **SC306762**

TRARG1 (NM_172367) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRARG1 (NM_172367) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRARG1
Synonyms:	BEC-1; DSPB1; IFITMD3; LOST1; TUSC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306762 representing NM_172367. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCCCAACCGGTGCAGTCCGAGTTTCCTTCAGCACAGGAGCCAGGCTCCGCCGATTCTGGACCTG
 CCGGAGATGGAGATACTCCTACCAAGGCAGAGAACAAGGATGACAAGACCCTGAATCTGTCCAAGACC
 CTCTCGGGGCCTCTGGATCTGGAGCAGAACAGCCAGGGCCTACCCTTCAAGGCCATCTCCGAGGGGCAC
 CTGGAGGGCCCACTGCCTCGGTCCCCCTCCCGGCCAGCTCAAGGAGGGCGTCTCCATCGCCACCACC
 TCCTATGCCAAGACCAAGAAGCCCCCAGAGATTACCTCATCCTGGCCGTCGTCGCCTGCTTCTGCCCC
 GTCTGGCCCTCAACCTCATCCCCCTCATTTCCATCATGTCTCGAAGCAGCATGCAACAGGGCAAC
 GTGGACGGCGCCCGAGGCTGGGCCGCCTGGCTCGGCTGCTCAGCATTACCCTCATCATCATGGGCATC
 GTCATTATCATGGTGGCCGTGACCGTCAACTTCACAGTTCAGAAGAAAT**AA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_172367
Insert Size:	534 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_172367.2</u>
RefSeq Size:	3596 bp
RefSeq ORF:	534 bp
Locus ID:	286753
UniProt ID:	<u>Q8IXB3</u>
Cytogenetics:	17p13.3
Protein Families:	Transmembrane
MW:	19.3 kDa
Gene Summary:	Regulates insulin-mediated adipose tissue glucose uptake and transport by modulation of SLC2A4 recycling. Not required for SLC2A4 membrane fusion upon an initial stimulus, but rather is necessary for proper protein recycling during prolonged insulin stimulation. [UniProtKB/Swiss-Prot Function]