

Product datasheet for **SC314479**

Trophinin (TRO) (NM_016157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trophinin (TRO) (NM_016157) Human Untagged Clone
Tag:	Tag Free
Symbol:	Trophinin
Synonyms:	MAGE-d3; MAGED3
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_016157, the custom clone sequence may differ by one or more nucleotides <pre> ATGGATAGGAGAAATGACTACGGATATAGGGTGCCTCTATTTTCAGGGCCCTCTGCCTCCC CCGGGGAGCCTGGGGCTTCCCTTCCCTCCAGATATACAGACTGAGACCACAGAAGAGGAC AGTGTCTGTGATGCATACCCTGTTGGCGCAACCAAGGACTCCCTGGCCATGGACCCA CCAGTTGTCAACCGGCCTAAGAAAAGCAAGACCAAGAAGGCCCTATAAAGACTATTACT AAGGCTGCACCTGCTGCCCTCCAGTCCAGCTGCCAATGAGATTGCCACCAACAAGCCC AAAATAACTTGGCAGGCTTTAAACCTGCCAGTCATTACCCAGATCAGCCAGGCTTTACCT ACCACTGAGGTAACCAATACTCAGGCTTCTTCAGTCACTGCTCAGCCTAAGAAAGCCAAC AAGATGAAGAGAGTTACTGCCAAGGCAGCCCAAGGCTCCCAATCCCAACTGGCCATGAG GGTGGCACTATACAGCTGAAGTCACCCTTGCAAGTCTAAAGCTACCAGTCATCTCACAG AATATTCACGCTCCAATTGCCAATGAGTCAGCCAGTTCCTCAAGCCTTGATAACCTCTATC AAGCCTAAGAAAGCTTCCAAGGCTAAGAAGGCTGCAAATAAGGCCATAGCTAGTGCCACC GAGGTCTCGCTGGCTGCAACTGCCACCCATACAGCTACCACCAAGGCCAAATTACCAAT GAGACAGCCAGTATCCACACCACAGCAGCTCCATCCGAACCAAGAAAGCCTCCAAAGCC AGGAAGACAATTGCTAAGGTCATAAATACTGACACTGAGCATATAGAGGCTCTAAATGTC ACTGACGCACTACCAGGCAGATTGAGGCTCAGTAGTGCTATCAGGCCAAAAAATCC AAGGGCAAGAAGGCTGCCAGCAGGGGCCAAATTTCTGTCTCTGAGATCTCTGAGGCCCA CTTGCCACTCAGATAGTCACAAACCAAGCCCTGGCAGCCACCCTGCGGGTCAAGAGAGGG TCTAGGGCTCGGAAGGCTGCCACTAAGGCTCGGGCAACTGAAAGCCAGACTCCAAATGCT GACCAAGGGGCCAGGCCAAGATAGCCTCTGCTCAGACCAACGTAAGTGCCCTTGAGACT CAGGTTGCTGCTGCTGTCCAGGCCCTGGCAGATGACTATCTGGCTCAGTTGAGCCTGGAG CCCACAACCAAGGACCCGGGGCAAAAGAAACCGAAAGTCCAAGCATCTGAATGGGGATGAG AGAAGTGGCAGTAATTACAGGCGGATCCCATGGGGCCGAGGCTGCACCACCGCGAGAT GTGGCCATTTTACAAGAAAGGGCTAATAAGTTGGTGAAATACCTGTTGGTTAAGGACCAG ACAAAGATCCCCATCAAACGCTCAGACATGCTGAGGGATGTCATCCAAGAATATGATGAA TATTTCCAGAAATCATTGAACGAGCAAGCTACACTCTGGAGAAGATGTTTCGAGTCAAT CTGAAAGAAATGATAAGCAAAGTAGCTTGATATTTCTCATCAGCACTCAGGAATCCTCT GCAGGCATACTGGGAACGACCAAGGACACACCAAGCTGGGTCTCCTCATGGTGATTCTG AGTGTCAATTTTATGAATGGCAACAAGGCCAGTGAGGCTGTCATCTGGGAGGTGTCGCG AAGTTGGGGCTGCGCCCTGGGGTGAGGCATTCACTCTTTGGGGAAGTGAGGAAGCTCATC ACAGACGAGTTTGTGAAGCAGAAGTACCTGGAGTACAAGAGGGTCCCTAACAGCAGACCA CCTGAATATGAGTTCTTCTGGGGCTTGCGCTCCTACCACGAGACTAGCAAGATGAAAGTC CTCAAGTTTGCATGCAGGGTGCAAGAAAGACCCCAAGGACTGGGCTGTGCAGTACCGC GAGGCAGTGGAGATGGAAGTCCAAGCTGCAGCTGTGGCTGTGGCTGAGGCTGAAGCCAGG GCTGAGATTTATCCCATGTTTACAGATACCGCTAATAAATTGCAGTAGTCCTTCCCAT GGAGCCAAAGTACATCCTTGGAATCTTTGTCCACACAGCAGTCAAGGCAGTTATGGCCAA TCAGCTGAGGGTGTCTATG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_016157
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).
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:	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_016157.2, NP_057241.2</u>
RefSeq Size:	2321 bp
RefSeq ORF:	2121 bp
Locus ID:	7216
UniProt ID:	<u>Q12816</u>
Cytogenetics:	Xp11.21
Domains:	MAGE
Gene Summary:	This gene encodes a membrane protein that mediates cell adhesion between trophoblastic cells and the epithelial cells of the endometrium. The encoded protein participates in cell signalling during embryo implantation, and may also be involved in cancer formation. This gene is located near several other closely related genes on chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (3) differs in the 3' UTR and lacks a portion of the 3' coding region, which results in a frameshift, compared to variant 6. The encoding isoform (2, also known as magphinin beta) is shorter and has a distinct C-terminus, compared to isoform 5.