

Product datasheet for **RG224119**

TNFSF12-TNFSF13 (NM_172089) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TNFSF12-TNFSF13
Synonyms:	TWE-PRIL
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG224119 representing NM_172089
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGCGCGCCC

ATGGCCGCCCGTCGGAGCCAGAGGCGGAGGGGCGCCGGGGGAGCCGGGCACCGCCCTGCTGGTCCCGC
TCGCGCTGGGCTGGGCTGGCGCTGGCCTGCCTCGGCCTCCTGCTGGCCGTGGTCAGTTTGGGAGCCG
GGCATCGCTGTCCGCCAGGAGCCTGCCAGGAGGAGCTGGTGGCAGAGGAGGACCAGGACCCGTCGGAA
CTGAATCCCAGACAGAAGAAAGCCAGGATCCTGCGCCTTTCTGAACCGACTAGTTCGGCCTCGCAGAA
GTGCACCTAAAGGCCGAAAAACAGGGCTCGAAGAGCGATCGCAGCCATTATGAAGTTCATCCACGACC
TGGACAGGACGGAGCGCAGGCAGGTGTGGACGGGACAGTGAGTGGCTGGGAGGAAGCCAGAATCAACAGC
TCCAGCCCTCTGCGCTACAACCGCCAGATCGGGGAGTTTATAGTCACCCGGGCTGGGCTCTACTACCTGT
ACTGTCAGAGTTCCGATGCCCTGGAAGCCTGGGAGAATGGGAGAGATCCCGGAAAAGGAGAGCAGTGCT
CACCCAAAAACAGAAGAAGCAGCACTCTGTCTGCACCTGGTTCCATTAAACGCCACCTCCAAGGATGAC
TCCGATGTGACAGAGGTGATGTGGCAACCACTCTTAGGCGTGGGAGAGGCCTACAGGCCCAAGGATATG
GTGTCCGAATCCAGGATGCTGGAGTTTATCTGCTGTATAGCCAGGTCTGTTTCAAGACGTGACTTTCAC
CATGGGTCAGGTGGTGTCTCGAGAAGGCCAAGGAAGGCAGGAGACTCTATTCCGATGTATAAGAAGTATG
CCCTCCCAACCGGACCGGGCTACAACAGCTGCTATAGCGCAGGTGTCTTCCATTACACCAAGGGGATA
TTCTGAGTGTATAATTCCCCGGGCAAGGGCGAACTTAACCTCTCTCCACATGGAACCTTCTGGGGTT
TGTGAACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG224119 representing NM_172089

Red=Cloning site Green=Tags(s)

MAARRSQRRRRGRRGEPGTALLVPLALGLGLALACLGLLLAVVSLGSRASLSAQEPAQEELVAEEDQDPSE
LNPQTEESQDPAPFLNRLVRRRSAPKGRKTRARRIAAHYEVHPRPGQDGAQAGVDGTVSGWEEARINS
SSPLRYNRQIGEFIVTRAGLYLYCQSSDALEAWENGERSRKRAVL TQKQKKQHSVLHLPINATSKDD
SDVTEVMWQPALRRGRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGRQETLFRICIRSM
PSHPDRAYNSCYSAGVFHLHQGDILSVIIPRARA KNLSPHGTFLGFVKL

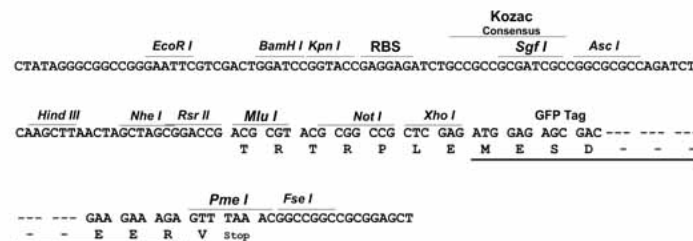
TRTRPLE - GFP Tag - V

Restriction Sites:

AscI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_172089

ORF Size:

990 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:

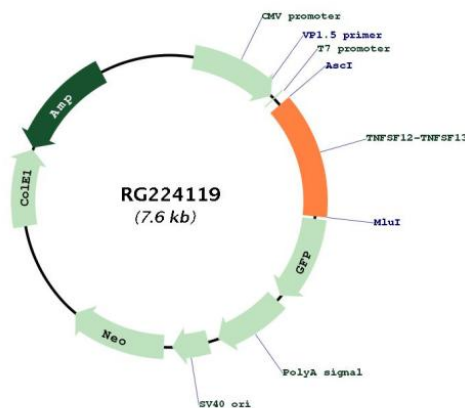
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_172089.4
RefSeq Size:	1841 bp
RefSeq ORF:	993 bp
Locus ID:	407977
UniProt ID:	O43508
Cytogenetics:	17p13.1
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	This gene encodes a member of the tumor necrosis factor superfamily. It encodes a hybrid protein composed of the cytoplasmic and transmembrane domains of family member 12 fused to the C-terminal domain of family member 13. The hybrid protein is membrane anchored and presents the receptor-binding domain of family member 13 at the cell surface. It stimulates cycling in T- and B-lymphoma cell lines. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224119