

Product datasheet for **RG226388**

RTL1 (NM_001134888) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTL1 (NM_001134888) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RTL1
Synonyms:	HUR1; Mar1; MART1; PEG11; SIRH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226388 representing NM_001134888 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GGCGCGCC**

ATGATAGAACCCTCTGAAGACTCATTTGAGACGATGATGGAGCATAAGAATCCATCATCAAACAAATGG
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AGCCAGCGGCCAGCCCAGGAAAAGAAGGAGCCCCCAGTGGCCCACTCCAGGAAATGGAAGAGCTGCC
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GAATTTGACATCGTACCTTCACCGAACTTCTCTGTGGTCTAGGCATCCGCTGGCTCCGAGTCCACGCC
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ATGCTAACCTCGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226388 representing NM_001134888
 Red=Cloning site Green=Tags(s)

MIEPSEDSFETMMEHKNPSSKQMESSESSNTTEATSGSGVRGEAGPASGPAQEKKPEPPSGPLQEMEELP
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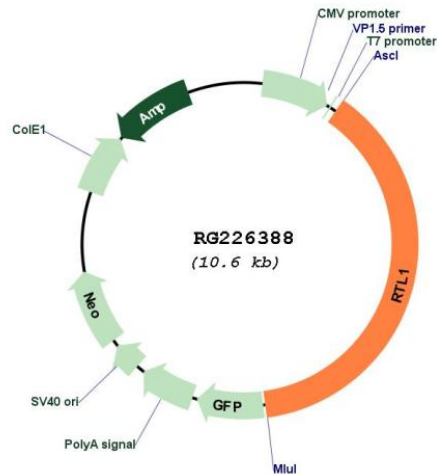
TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134888

ORF Size: 4074 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.

RefSeq: [NM_001134888.3](#)

RefSeq Size: 4077 bp

RefSeq ORF: 4077 bp

Locus ID: 388015

UniProt ID: [A6NKG5](#)

Cytogenetics: 14q32.2

Gene Summary:

This gene is a retrotransposon-derived, paternally expressed imprinted gene that is highly expressed at the late fetal stage in both the fetus and placenta. It has an overlapping maternally expressed antisense transcript, which contains several microRNAs targeting the transcripts of this gene through an RNA interference (RNAi) mechanism. This gene is essential for maintenance of the fetal capillaries. [provided by RefSeq, Jul 2009]