

Product datasheet for **RG215817**

FRAS1 (NM_025074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRAS1 (NM_025074) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FRAS1
Synonyms:	FRASRS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215817 representing NM_025074 Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215817 representing NM_025074

Red=Cloning site Green=Tags(s)

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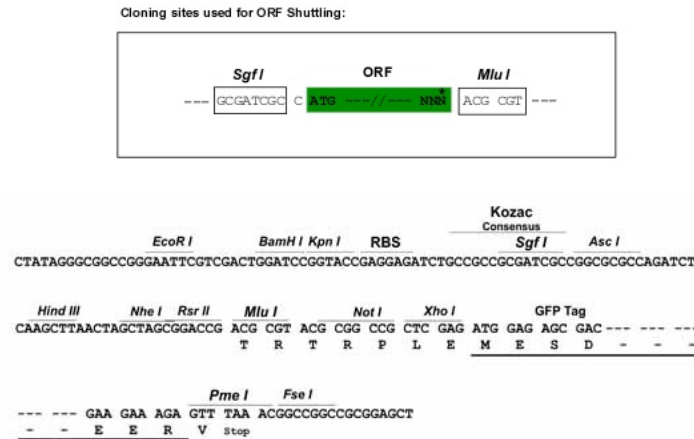
ERFLIPIAFQQTNRPPVYVYSLNTEFQLCNNEKVFLMDPNTSDMSLAEMDYKGAFSGQILYGRVLWNPE
QNLNSAYKLQLEKYYLCTGKDGYVPFFDPTGTIYNEGPQYGCIPNHLKHRFLLDRNQPEVTDKYFHD
VPFEAHFASLPDFHVVSNMPGVDGFTLKVDALYKVEAGHQWYLQVIYIIGPDTISGPRVQRSLTAPLRR
NRRDLVEPDGQLILDDSLIYDNEGDQVKNGTNMKSLNLEMQELAVAASLSQTGASIGSALAAIMLLLLVF
LVACFINRKCQKQKKKPAEDILEEYPLNTKVEVPKRHPDRVEKNVNRHYCTVRNVNILEPEAAAYTFKG
AKVKRLNLEVRVHNNLQDGTEV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NM_025074

ORF Size:

12036 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_025074.7](#)

RefSeq Size: 15643 bp

RefSeq ORF: 12039 bp

Locus ID: 80144

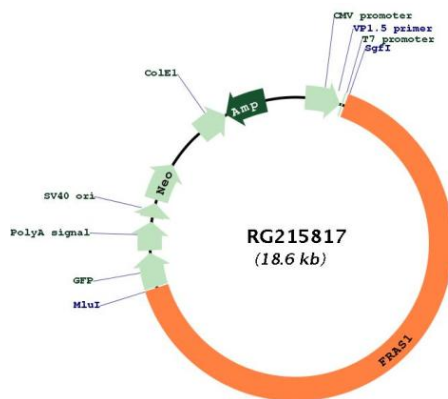
UniProt ID: [Q86XX4](#)

Cytogenetics: 4q21.21

Protein Families: Transmembrane

Gene Summary: This gene encodes an extracellular matrix protein that appears to function in the regulation of epidermal-basement membrane adhesion and organogenesis during development. Mutations in this gene cause Fraser syndrome, a multisystem malformation that can include craniofacial, urogenital and respiratory system abnormalities. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG215817