OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC305229

FRAS1 (NM_025074) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: FRAS1 (NM_025074) Human Untagged Clone

Tag: Tag Free

Symbol: FRAS1

Synonyms: FRASRS1

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_025074, the custom clone sequence may differ by one or more nucleotides

ATGGGTGTCCTCAAAGTGTGGCTCGGGCTGGCCCTAGCGTTGGCGGAATTTGCAGTATTG
CCTCATCATTCCGAAGGTGCTTGTGTCTATCAGGATTCCTTGTTGGCGGATGCCACAATT
TGGAAGCCCGATTCATGCCAGAGCTGCCGTTGCCATGGTGATATTGTTATCTGCAAACCT
GCTGTTTGCAGAAACCCTCAATGTGCCTTTGAGAAGGGAGAAGTGCTTCAAATAGCTGCC
AACCAATGCTGTCCTGAGTGTGTTTTGAGGACTCCAGGATCTTGCCATCATGAAAAGAAA
ATCCATGAGCATGGGACAGAATGGGCCTCTTCTCCATGTAGTGTGTGCTCTTGCAATCAT
GGGGAAGTCCGATGTACCCCCCAACCATGCCCACCGCTGTCATGTGGACACCAGGAGCTG
GCATTCATCCCTGAAGGAAGCTGCTGCCCAGTTTGTGTGGGCCTTGGGAAACCCTGTTCC
TATGAAGGCCATGTGTTTCAGGATGGGGAGGACTGGCGGCTGAGCCGGTGTGCCAAATGT
CTGTGTAGAAATGGGGTTGCCCAGTGCTTCACAGCTCAGTGTCAGCCTCTATTTTGTAAC
CAGGATGAGACTGTAGTCCGAGTCCCTGGAAAATGTTGCCCGCAGTGCTCTGCAAGATCC
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ACGTGTATATGTGACCGGGGTGAGGTCAGGTGTCACAAGCAGGCCTGCCTGCCCCTGAGA
TGCGGAAAGGGTCAGAGCAGGGCTCGGCGTCATGGGCAATGCTGTGAGGAATGTGTGTCT
CCTGCCGGGAGCTGCTCCTATGATGGAGTTGTGCGGTACCAGGACGAAATGTGGAAGGGC
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GTGGGCACACTGGCCTTAGAGGTGAAGGGACAGTGCTGTCCAGACTGCACATCAGTTCAT
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CCTACCAAGTTACTGCAGAATGGATGGTGTGTGCACAGCTGTGGACTGGGTTTTTACCAA
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GGCGGCTGTGAGAGCAGCTGTGGAAAAGGCTTCTACAACAGGCAGGGCACCTGTAGCGCT
TGTGACCAATCCTGTGACAGTTGTGGCCCCAGTAGCCCCAGGTGTCTTACCTGTACTGAG

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AAGACAGTGCTGCATGATGGGAAATGCATGTCTGAATGCCCTGGCGGGTACTATGCTGAT
GCCACTGGCAGGTGCAAAGTTTGTCATAACTCATGTGCCAGCTGCTCTGGGCCCACACCC
TCTCACTGTACAGCCTGCAGCCCCCCCAAGGCTCTGCGTCAAGGCCACTGTCTGCCCCGC
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GAGCCTGAGGCGGCTTACACGTTCAAAGGTGCTAAAGTCAAAAGACTGAATCTAGAAGTC
AGAGTTCACAACAATTTACAAGATGGAACAGAAGTTTAA

Restriction Sites: Please inquire

ACCN: NM_025074

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.

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: NM_025074.3, NP_079350.3

RefSeq Size: 15229 bp

RefSeq ORF:	12036 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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).