

Product datasheet for SC327340

FRAS1 (NM_001166133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRAS1 (NM_001166133) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRAS1
Synonyms:	FRASRS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166133, the custom clone sequence may differ by one or more nucleotides <pre> ATGGGTGTCCTCAAAGTGTGGCTCGGGCTGGCCCTAGCGTTGGCGGAATTTGCAGTATTG CCTCATCATTCGGAAGGTGCTTGTGTCTATCAGGATTCCTTGTTGGCGGATGCCACAATT TGAAGGCCGATTTCATGCCAGAGCTGCCGTTGCCATGGTGATATTGTTATCTGCAAACT GCTGTTTGCAGAAACCTCAATGTGCCTTTGAGAAGGGAGAAGTGCTTCAAATAGCTGCC AACCAATGCTGCTGCTGAGTGTGTTTTGAGGACTCCAGGATCTTGCCATCATGAAAAGAA ATCCATGAGCATGGGACAGAATGGGCTCTTCTCCATGTAGTGTGTGCTCTTGAATCAT GGGGAAGTCCGATGTACCCCCAACCATGCCACCGCTGTCATGTGGACACCAGGAGCTG GCATTCATCCCTGAAGGAAGCTGCTGCCAGTTTGTGTGGCCTTGGGAAACCTGTTCC TATGAAGGCCATGTGTTTCAGGATGGGAGGACTGGCGGCTGAGCCGGTGTGCCAAATGT CTGTGTAGAAATGGGGTTGCCAGTGCTTCACAGCTCAGTGTGAGCCTCTATTTGTAAC CAGGATGAGACTGTAGTCCGAGTCCCTGAAAAATGTTGCCCGCAGTGCTCTGCAAGATCC TGCTCTGCAGCTGGCCAAGTATACGAGCATGGTGAGCAGTGGAGCGAAAAATGCCTGCACC ACGTGTATATGTGACCGGGGTGAGGTGAGGTGTCACAAGCAGGCCTGCCTGCCCTGAGA TGCGGAAAGGGTCAGAGCAGGGCTCGGCGTCATGGGCAATGCTGTGAGGAATGTGTGCT CCTGCCGGGAGCTGCTCCTATGATGGAGTTGTGCGGTACCAGGACGAAATGTGGAAGGG TCGGCCTGTGAGTTCTGCATGTGTGATCATGGCCAAGTGACCTGCCAGACTGGAGAGTGT GCCAAAGTGGAGTGTGCCCGGATGAAGAATTAATTCATTAGATGGAAGTGTGTGCTCCT GAATGCATTTCAAGGAATGGTTATTGTGTTTATGAAGAACTGGAGAATTTATGTCATCA AATGCTAGTGAAGTTAAACGTATTCCAGAGGGAGAGAAGTGGAAGATGGCCCTTGCAAG GTGTGTGAGTGCCGAGGGGCTCAGGTAACCTTGCTACGAGCCCTCTTGCCACCATGTCCA GTGGGCACACTGGCCTTAGAGGTGAAGGACAGTGCTGTCCAGACTGCACATCAGTTCAT TGCCATCCAGATTGTTTGACATGCTCTCAGTCTCCAGACCACTGTGACCTCTGCCAAGAT CCTACCAAGTTACTGCAGAATGGATGGTGTGTGCACAGCTGTGGACTGGGTTTTTACCAA GCTGGCAGTCTCTGTTTAGCCTGCCAGCCCCAGTGCTCCACGTGTACCAGTGGGCTGGAG TGCTCATCTGCCAGCCTCCCCTGCTGATGCGGCACGGGCAGTGTGTGCCTACCTGTGGG </pre>


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CGTTTCAGAAATTCACAGCATCAATATCACCATTGAGGTAAAGACTTTGGAAGTTGAAAG
GTTGAGCCCTTGACCACAATATTTACACCATTAGAGAGCTTTCTTTA

Restriction Sites:	Please inquire
ACCN:	NM_001166133
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_001166133.1, NP_001159605.1</u>
RefSeq Size:	7245 bp
RefSeq ORF:	5931 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 (2) differs in the presence and absence of exons in its 3' coding region and 3' UTR, compared to variant 1, resulting in an isoform (2) with a distinct and significantly shorter C-terminus, compared to isoform 1.