

Product datasheet for **SC314487**

FREM1 (BC031064) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FREM1 (BC031064) Human Untagged Clone
Tag:	Tag Free
Symbol:	FREM1
Synonyms:	C9orf143; C9orf145; C9orf154; extracellular matrix protein QBRICK; FLJ25461; FRAS1 related extracellular matrix 1; fras1 related extracellular matrix protein 1; OTTHUMP00000021061; OTTHUMP00000044926; QBRICK; RP11-439N12.3
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for BC031064, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAAGGCTGCCTTGCCTCTCTTTACCAGATTCATCATCAGCAATGGACTGCGGACC
GAGCACGGGGTGTGGAGATCACACTGGAGACTGTGGACAGAGCCCTGCCTGTGGTAACC
AGGAACAAGGGGTTGAGACTGGCCCAAGGGGCGTGGCCTGCTTTCCCTGACCTCCTT
CAGCTGACCGACCCTGATACACCTGCGGAGAACCTCACCTTCTCTTGGTTCAGTCCCC
CAGCATGGCCAGCTCTACCTGTGGGGACAGGGCTACTTCAACACAATTTACCCAGCAG
GATGTGGACAGCAAGAATGTGGCTATCGGCACTCAGGAGGGGACTCCCAGACTGACTGC
TTTACTTTCATGGCCACAGACGGGACAAACCAAGGCTTTATTGTGAATGGGAGAGTGTGG
GAAGAACCTGTTTTATTCAACATTAGAGTACCAATTGGACAAAACAGCTCCTCGTATC
ACACTCTTGCAATCCCCTTCTCAAGTGGGGCTCCTGAAAATGGCTGCTACGGGATTTAC
ATCACTTCCCCTGTTGAAGGCATCAGACCCTGACACTGAGGACGATCAGATCATCTTT
AAAATTCTACAAGGCCAAAACATGGACATCTGGAGAACAACAACAGGTGAATTTATC
CATGAGAAATTTAGCCAAAAGGACTTAAACAGTAAGACTATTCTTTACATCATAAACCA
TCTTTGGAAGTAAATTCAGATACCGTGGAAATTTCAAATCATGGACCCACAGGAACTCG
GCCACTCCTCAAAATTTGGAACGTAAAGTGGTCTCATATTGAATGGTACAGACCGAATAT
GAAGTCTGTGAGAATGTGGGTTTGTGGCCTTGAAATATCAGAAGGGGATATTCCATG
GACTCGGCCTTTGTGGGTATAAAGGTCAACCAAGTGTGAGCTGCAGTTGGAAAAGATTTT
ACCGTGATTCCATCTAAACTGATTCAGTTTGACCCAGGAATGTCAACTAAGATGTGGAAT
ATAGCAATTACCTATGACGGATTAGAGGAAGATGATGAGGTCTTTGAAGTAAATTCGAAC
TCCCCTGTGAATGCAGTCTTGGCACAAGACAAAAGCTGCAGTAAAAATTTGGACTCA
AAAGGAGGACAATGCCATCCTTCATATTCTCCAACCAAGCAAGCACAGCACATGGGAG
AAGGGCATTGGCATCTGCTGCCCCAGGGTCTTCTCATCCACCCTTCTGGTTCTTTT
CATCTGGAAGAAGACCTTCCATCCTCCATGCAGCTAGCAGTATCAGGGGAGACACC
CTGCGGGGCTTTGATTCTACAGATCTTTCTCAAAGGAAGCTTAGGACCCGTGGGAATGG
AAAACAGTTCGTCCATCCTCTGTTTATAGAAATGGAACAGACATCATCTATAATTATCAT
GGGATAGTTTCTTGAACTGGAGGATGACAGTTTCCAACCTCACAAAAGGAAGGCCAAA
GTATCCATCATTAGTCAGCCACAAAAGACAATCAAAGTGGCAGAACTGCCTCAAGCAGAT
AAGGTGGAATCCACAACCTGACTCACACTCCCCAGACAGGACCAGTTGCCCTCATTTC
AAGAACTGCACTCTGGAATTAAGGGACTCTTCCATTTTGAAGAAGGCATCCAGAAGCTG
TATCAGTGAATGGGATGCCTGGAAGCTGGAGTCCCAACCAAGGATGTGGAAGAC
AAATCCTGTCCAGCCGGTGGCACCAGCACTCAGGCTACTGTACATCTTGATCACAGAG
CAGAAAGGCACCTGGAATGCGGCTGCCAAGCTTGCAAGGAACAATACCTGGGCAACCTT
GTAAGTGTATTCTCCAGGCAGCACATGCGGTGGCTCTGGGACATTGGTGGGAGAAAGTCC
TTTTGGATAGGTTTGAACGACCAAGTGCATGCTGGCCACTGGGAGTGGATCGGTGGTGA
CCTGTTGCCTTACCAATGGGAGAAGAGGGCCCTCTCCACGCTCCAAGCTTGAAAGAGC
TGTGTTTTGGTTCAAAGACAAGGAAATGGCAACAAAAGACTGTAGGAGAGCCAAACCT
CATAATTATGGGTGTTCCAGAAAACCT

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Restriction Sites: Please inquire

ACCN: BC031064

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:	<ol style="list-style-type: none">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>BC031064.1</u> , <u>AAH31064.2</u>
RefSeq Size:	2439 bp
RefSeq ORF:	2439 bp
Locus ID:	158326
Cytogenetics:	9p22.3
Domains:	CLECT, Calx-beta
Protein Families:	Protease, Transmembrane
Gene Summary:	This gene encodes a basement membrane protein that may play a role in craniofacial and renal development. Mutations in this gene have been associated with bifid nose with or without anorectal and renal anomalies. Alternatively spliced transcript variants encoding different isoforms have been described. PubMed ID 19940113 describes one such variant that initiates transcription within a distinct, internal exon; the resulting shorter isoform (named Toll-like/interleukin-1 receptor regulator, TILRR) is suggested to be a co-receptor of the interleukin 1 receptor family and may regulate receptor function and Toll-like receptor/interleukin 1 receptor signal transduction, contributing to the control of inflammatory response activation. [provided by RefSeq, Apr 2011]