

Product datasheet for **SC315500**

FRG1 (NM_004477) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FRG1 (NM_004477) Human Untagged Clone
Tag: Tag Free
Symbol: FRG1
Synonyms: FRG1A; FSG1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004477 edited
GACGGAGGCGGGTTCTACAGAGACGTAGGCTGTCAGGGAGTGTTATTTTCGCGTCCGCTT
CTGTTTTCCGCGCCCTGTGCTGCCCGACTCACATACTCGTCCAGAACCGGCCTCAGC
CTCTCCGCGCAGAAGTTTCCCGGAGCCATGGCCGAGTACTCCTACGTGAAGTCTACCAAG
CTCGTGCTCAAGGGAACCAAGACGAAGAGTAAGAAGAAAAAGAGCAAAGATAAGAAAAAGA
AAAAGAGAAGAAGATGAAGAAACCCAGCTTGATATTGTTGGAATCTGGTGGACAGTAACA
AACTTTGGTGAAATTTCCAGGAACCATAGCCATTGAAATGGATAAGGGAACCTATATACAT
GCACTCGACAATGGTCTTTTTACCCTGGGAGCTCCACACAAGAAGTTGATGAGGGCCCT
AGTCTCCAGAGCAGTTTACGGCTGTCAAATTATCTGATTCCAGAATCGCCCTGAAGTCT
GGCTATGAAAAATATCTTGGTATAAATTCAGATGGACTTGTGTTGGGCGTTCAGATGCA
ATTGGACCAAGAGAACAATGGGAACCAGTCTTTCAAATGGGAAAATGGCTTTGTTGGCC
TCAAATAGCTGCTTTATTAGATGCAATGAAGCAGGGGACATAGAAGCAAAAAGTAAAAACA
GCAGGAGAAGAAGAAATGATCAAGATTAGATCCTGTGCTGAAAGAGAAACCAAGAAAAAA
GATGACATTCCAGAAGAAGACAAAGGAAATGTAACAATGTGAAATCAATTATGTAAGG
AAATTTCCAGAGCTTCCAAGACCACAACTTAAAAAAGTAAAGAAAGACAGTAAAAATCTT
AAAAAGGCTCGGAAAGATGGATTTTTGCATGAGACGCTTCTGGACAGGAGAGCCAAATTG
AAAGCCGACAGATACTGCAAGTACTGGGATTTTTGTTTCTGCCTTATCTTTCTGTGTTT
TTTTCTGAATAAAATATTCAGAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004477 unedited CGTTCAAATTTTGAATACGACTCACTATTAGGGCGGCCGCGATTCCCAGGATATCGTCC ACCCACGCGTCCGCGGACGCGTGGGGACGGAGGCGGGTTCTACAGAGACGTAGGCTGTCA GGGAGTGTTTATTTCCGCTCCGCTTCTGTTTCTCCGCGCCCTGTGCTGCCCCGACTCAC ATACTCGTCCAGAACCGCCTCAGCCTCTCCGCGCAGAAGTTCCCGAGCCATGGCCGA GTACTCCTACGTGAAGTCTACCAAGCTCGTGTCAAGGGAACCAAGACGAAGAGTAAGAA GAAAAAGAGCAAAGATAAGAAAAAGAAAAAGAGAAGAAGATGAAGAAACCCAGCTTGATAT TGTTGGAATCTGGTGGACAGTAACAACTTTGGTAAAATTTAGGAACCATAGCCATTGA AATGGATAAGGGAACCTATATACATGCACTCGACAATGGTCTTTTTACCCTGGGAGCTCC ACACAAAGAAGTTGATGAGGGCCCTAGTCTCCAGAGCAGTTTACGGCTGTCAAATTATC TGATTCCAGAATCGCCCTGAAGTCTGGCTATGGAAAATATCTTGGTATAAATTCAGATGG ACTTGTGTTGGGCGTTCAGATGCAATTGGACCAAGAGAACAATGGGAACCAAGTCTTTCA AAATGGGAAAATGGCTTTGTTGGCCTCAAATAGCTGCTTTATTAGATGCCATGAAGCAGG NGACATAGNAGCANAAAGTANAACAGCAGGAGAAGAAAGAAATGATCAAGATTAGATCCTG TGCTGAAAGAGNAACCAAGNAAAAGATGACCTTCCANGAGAAGACAAAGGGAATGTANA ANCATGTGAATCAATTATGTTAAGAAAATTTAGAGCTTCCAGACCCACAACCTNNAAAT AGTNAAGAAGACAGTAAAATTTAAAAGGGCTCGAN
Restriction Sites:	Please inquire
ACCN:	NM_004477
Insert Size:	1000 bp
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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>NM_004477.2</u> , <u>NP_004468.1</u>
RefSeq Size:	1053 bp
RefSeq ORF:	777 bp
Locus ID:	2483
UniProt ID:	<u>Q14331</u>
Cytogenetics:	4q35.2

Gene Summary:

This gene maps to a location 100 kb centromeric of the repeat units on chromosome 4q35 which are deleted in facioscapulohumeral muscular dystrophy (FHD). It is evolutionarily conserved and has related sequences on multiple human chromosomes but DNA sequence analysis did not reveal any homology to known genes. In vivo studies demonstrate the encoded protein is localized to the nucleolus. [provided by RefSeq, Jul 2008]