

Product datasheet for **SC102079**

FRG1 (AK057099) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRG1 (AK057099) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC102079 sequence for AK057099 edited (data generated by NextGen Sequencing) ATGGATGAGGGAACCTATATACATGCACTCGATAATGGTCTTTTTACCCTGGGAGCTCCA CACAAAGAAGTTGATGAGGGCCCTAGTCCTCCAGAGCAGTTTTTCGGCTGTCAAATTATCT GATTCCAGAATCACCCCTGAAATCTGGCTATGGAAAATATCTTGGTATAAATTCAGATGAA CTTGTTGTTGGGCGTTCAGATGCAATTGGACCAAGAGAACAATGGGAACCAAGTCTTTAAA ATTGGGAAAATGGCTTTGTGACCTCAAATAGCTGCTTTATTAGATACAGTGAAGCAGAG GACATAGAAGCAAAAAGTAAAACAGCAGGAGAAGAAGAAATGATCAAGAGTCTCAGTCAT AGCCTGCCTTCATCTCTGAAGGGACCAGGCGACCCACGGAGTGCCTCGGCAGCCTTGTTA TTGCATGCAATCTTCACAGACAAGATCTCACTGCAACCAGGTTTCTACAGGAGCACAGGT GTGACATTATAG Clone variation with respect to AK057099.1 371 t=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for AK057099 unedited GGGTTACAAATGTATACGACTCATATAGGCGGCCGCAAATTCGCACGAGGCTCCGCGC AGAAGTCTCCCGGAGCCGACTTCTGAGAGTCGAGTACTCCTATGTTAAGACTACCAAGCT CGTGTTCAAGGGAACCAAGGCGAAGAGGCGAGATGAAAGAAAGTATCAAGGAGTGAGCT GAAGCCACTGCCCTTGAGAACCCTCTCGAGGAGTCTGGGCTCATGAGGATGCCAGAATAA GTGGCAGTAAGAAGAAAAAGAACAAGATAAGAAAAAGAAAAAGAGAAGAAGATGAAGAAA CCCAGCTTGATATGTTGGAATCTGGTGGACAGTAACAACTTTGGTGAAAATTTTCAGGAA CCATAGCCATTGAAATGGATGAGGGAACCTATATACATGCACTCGATAATGGTCTTTTTTA CCCTGGGAGCTCCACACAAGAAGTTGATGAGGGCCCTAGTCCTCCAGAGCAGTTTTTCGG CTGTCAAATTATCTGATTCCAGAATCACCTGAAATCTGGCTATGGAAAATATCTTGGA TAAATTCAGATGAACTTGTGTTGGCGTTCAGATGCAATTGGACCAAGAGAACAATGGG AACCAGCTTTAAAATTGGGAAAATGGCTTTGTCGACCTCAAATAGCTGCTTTATTAGAT ACAGTGAAGCAGAGGACATAGAAGCCAAAAGTAAACAGCAGGAGAAGAAGAAATGATCA AGAGTCTCAGTCATAGCCTGCCTTCATCTCTGAAGGGACCANGCGACCCACGGAGTGCCT TCGCAGCCTTGTATTGCATGCAATCTTACAGACAAGATCTCACTGCAACCCAGTTTCT ACAGGAGCACAGGTGTGACATTATAGTGATGACATCATTCTCAGAGAAAATCATTTTACG CACTAAGGACCACAGNTTCAAGGNAGCTTACACAAAGGGATGAC
Restriction Sites:	NotI-NotI
ACCN:	AK057099
Insert Size:	3300 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).
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:	AK057099.1 , BAB71366.1
RefSeq Size:	2306 bp
RefSeq ORF:	492 bp
Locus ID:	2483
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]