

Product datasheet for **SC319606**

FGGY (NM_018291) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGGY (NM_018291) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGGY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018291.2
 CTTCCTCCTCCTGGCCGCTTAGTCTCACACCCGCCGGCGCTTGTCCCGAGACGTTGTT
 GAGTCCCTGTGTCTCTCTGGGTGGAGGAAGTCAATGTCTGGTGGAGAACAGAAACC
 AGAGAGGTACTATGTGGGTGTGGACGTTGGAACAGGCAGTGTCCGTGCAGCTCTGGTGA
 CCAGAGTGGGGTCTGTGGCTTTTGCAGACCAGCCAATTAAGAATTGGGAGCCCCAGTT
 CAACCACCATGAGCAGTCTCCGAGGACATCTGGGCTGCGTGCTGTGTTGTCACAAAGAA
 AGTTGTACAAGGGATTGATTTAAACCAAATTCGAGGACTTGGGTTTGATGCCACGTGTTT
 TCTGGTTGTTTTGGATAAGCAGTTTCACCCATTACCAAGTCAACCAGGAAGGGGATTCCCA
 TCGAAACGTCATCATGTGGCTGGACCATCGAGCAGTCAGTCAAGTTAACAGGATCAATGA
 GACCAAGCACAGTGTCTCCAGTACGTCGGGGGGGTGATGTCTGTGGAATGCAGGCCCC
 GAAACTTCTGTGGCTGAAAGAGAACTTGAGAGAGATTTGCTGGGATAAGGCGGGACATTT
 CTTTGATCTCCCGGACTTCTTATCGTGAAGGCAACAGGTGTACAGCACGGTCTCTCTG
 CTCCTGGTGTGAAGTGGACATATTCAGCAGAGAAAGGCTGGGACGACAGTTTCTGGAA
 AATGATTGGTTTGAAGACTTTGTTGCAGATAATTACAGCAAAATAGGAAACCAAGTGT
 ACCTCCTGGAGCTTCTCTTGGAAATGGGCTCACACCAGAGGCAGCAAGAGACCTTGGCCT
 TCTCCCTGGGATTGCGGTGCGCAGCTTCACTCATTGATGCCCATGCAGGAGGACTAGGAGT
 GATTGGGGCAGATGTGAGAGGGCACGGCCTCATCTGTGAGGGGCAGCCAGTGACGTCACG
 GCTGGCTGTCTGTGGAACGTCTTCTTGTACATGGGGATCAGCAAAGACCCGATTTT
 TGTACCAGGCGTCTGGGGGCTTATTTCTCAGCCATGGTACCTGGGTTCTGGCTGAATGA
 AGGTGGTCAGAGCGTTACTGGAAAATTGATAGACCACATGGTACAAGGCCATGCTGCTTT
 TCCAGAACTACAAGTAAAGGCCACAGCCAGATGCCAGAGTATATATGCATATTTGAACAG
 TCACCTGGATCTGATTAAGAAGGCTCAGCCTGTGGGTTTCCTTACTGTTGATTACATGT
 TTGGCCAGATTTCCATGGCAACCGGTCTCCCTTAGCAGATCTGACACTAAAGGGCATGGT
 CACCGGATTGAAACTGTCTCAGGACCTTGATGATCTTGCCATTCTACCTGGCCACAGT
 TCAAGCCATTGCTTTGGGGAAGTCTCCTTATAGAAGCCATGGAGGCAGCAGGGCACTC
 AATCAGTACTCTTTCTATGTGGAGGCCTCAGCAAGAATCCCCTTTTGTGCAATGCA
 TGCGGACATTACTGGCATGCCTGTGGTCTGTGCGAAGAGGTGGAGTCCGTTCTTGTGGG
 TGCTGCTGTTCTGGGTGCCTGTGCCTCAGGGGATTTTCGTTCTGTACAGGAAGCAATGGC
 AAAAATGAGCAAGTTGGGAAAGTTGTGTTCCCGAGACTACAGGATAAAAAATACTATGA
 TAAGAAATACCAAGTATTCCTGAAGCTGGTTGAACACCAGAAGGAGTATTTGGCGATCAT
 GAATGATGACTGAACAGGCTTGCAGGTGCTGATGCCAGAAGCTTCTGTGCCATTGCATT
 AAAGACTTCTGTATTTGATCCATGTTCAAGACCTTGAGGTATTGTTTCATCATTTCTG
 TATTGTCTTTCAATAAAGAAAACAAACATGTGCAACCAAAAAAAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_018291

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_018291.2, NP_060761.2</u>
RefSeq Size:	1923 bp
RefSeq ORF:	1320 bp
Locus ID:	55277
UniProt ID:	<u>Q96C11</u>
Cytogenetics:	1p32.1
Domains:	FGGY
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein that phosphorylates carbohydrates such as ribulose, ribitol, and L-arabinitol. Genome-wide association studies in some populations have found an association between polymorphisms in this gene and sporadic amyotrophic lateral sclerosis, but studies of other populations have not been able to replicate this association. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013] Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Variants 2 and 7 encode the same protein (isoform b).