

Product datasheet for **SC317940**

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317940 representing NM_018291.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCCTGGTGGAGAACAGAAACAGAGAGGTACTATGTGGGTGTGGACGTTGGAACAGGCAGTGTCCGT
GCAGCTCTGGTGGACAGAGTGGGTCTGTGGCTTTTGCAGACCAGCCAATTAAGAATTGGGAGCCC
CAGTTCAACCACCATGAGCAGTCTCCGAGGACATCTGGGCTGCGTGCTGTGTTGCACAAAGAAAGTT
GTACAAGGGATTGATTTAAACCAAATTCGAGGACTTGGGTTTGATGCCACGTGTTCTCTGGTTGTTTG
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GGGGTGATGTCTGTGAAATGCAGGCCCGAACTTCTGTGGCTGAAAGAGAACTTGAGAGAGATTTGC
TGGGATAAGGCGGGACATTTCTTTGATCTCCCGACTTCTATCGTGGAAGGCAACAGGTGTCACAGCA
CGGTCTCTCTGCTCCCTGGTGTGTAAGTGGACATATTCAGCAGAGAAAGGCTGGGACGACAGTTTCTGG
AAAATGATTGGTTTGAAGACTTTGTTGCAGATAATTACAGCAAAATAGGAAACCAAGTGCTACCTCCT
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GTCGCAGCTTCACTCATTGATGCCCATGCAGGAGGACTAGGAGTATTGGGGCAGATGTGAGAGGGCAC
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CACCTGGATCTGATTAAGAAGGCTCAGCCTGTGGGTTTCCTTACTGTTGATTTACATGTTTGGCCAGAT
TTCCATGGCAACCGGTCTCCCTTAGCAGATCTGACACTAAAGGGCATGGTCACCGGATTGAAACTGTCT
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ATTATAGAAGCCATGGAGGCAGCAGGGCACTCAATCAGTACTCTTTTCTATGTGAGGCCTCAGCAAG
AATCCCTTTTGTGCAATGCATGCGGACATTACTGGCATGCCTGTGGTCTGTGCAAGAGGTGGAG
TCCGTTCTTGTTGGTGTCTGTTCTGGTGCCTGTGCCTCAGGGGATTCGCTTCTGTACAGGAAGCA
ATGGCAAAATGAGCAAAGTTGGGAAAGTTGTGTTCCCGAGACTACAGGATAAAAAATACTATGATAAG
AAATACCAAGTATTCTGAAGCTGGTTGAACACCAGAAGGAGTATTGGCGATCATGAATGATGACTGA
  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI

ACCN: NM_018291

Insert Size: 1656 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: 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_018291.3</u>
RefSeq Size:	2030 bp
RefSeq ORF:	1656 bp
Locus ID:	55277
UniProt ID:	<u>Q96C11</u>
Cytogenetics:	1p32.1
Domains:	FGGY
Protein Families:	Druggable Genome
MW:	60 kDa
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).