

Product datasheet for **SC334838**

FGGY (NM_001278224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGGY (NM_001278224) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGGY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278224, the custom clone sequence may differ by one or more nucleotides

ATGGGGATCAGCAAAGACCCGATTTTTGTACCAGGCGTCTGGGGCCTTATTTCTCAGCCATGGTACCTG
 GGTTCTGGCTGAATGAAGGTGGTCAGAGCGTTACTGGAAAATTGATAGACCACATGGTACAAGGCCATGC
 TGCTTTTCAGAACTACAAGTAAAGGCCACAGCCAGATGCCAGAGTATATATGCATATTTGAACAGTCAC
 CTGGATCTGATTAAGAAGGCTCAGCCTGTGGGTTTCCTTACTGTTGATTACATGTTTGGCCAGATTTCC
 ATGGCAACCGTCTCCCTTAGCAGATCTGACACTAAAGGGCATGGTCACCGGATTGAAACTGTCTCAGGA
 CCTTGATGATCTTGCCATTCTCTACCTGGCCACAGTTCAAGCCATTGCTTTGGGGACTCGTTTCATTATA
 GAAGCCATGGAGGCAGCAGGGCACTCAATCAGTACTCTTTTCTATGTGGAGGCCTCAGCAAGAATCCCC
 TTTTGTGCAAATGCATGCGGACATTACTGGCATGCCTGTGGTCTGTGCGAAGAGGTGGAGTCCGTTCT
 TGTGGGTGCTGCTGTTCTGGGTGCCTGTGCCTCAGGGGATTTGCTTCTGTACAGGAAGCAATGGCAAAA
 ATGAGCAAAGTTGGGAAAGTTGTGTTCCCGAGACTACAGGATAAAAAATACTATGATAAGAAATACCAAG
 TATTCCTGAAGCTGGTTGAACACCAGAAGGAGTATTTGGCGATCATGAATGATGACTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001278224
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).


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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_001278224.1, NP_001265153.1</u>
RefSeq Size:	1186 bp
RefSeq ORF:	759 bp
Locus ID:	55277
UniProt ID:	<u>Q96C11</u>
Cytogenetics:	1p32.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and contains multiple differences in the coding region, including the lack of multiple 5' coding exons, compared to variant 1. It represents use of an alternate promoter and initiates translation at a downstream in-frame start codon. The encoded isoform (d) has a shorter N-terminus, compared to isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>