

Product datasheet for **SC208754**

Folylpolyglutamate synthase (FPGS) (NM_001018078) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Folylpolyglutamate synthase (FPGS) (NM_001018078) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FPGS
ACCN:	NM_001018078
Insert Size:	507 bp
Insert Sequence:	>SC208754 3'UTR clone of NM_001018078 The sequence shown below is from the reference sequence of NM_001018078. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001018078.2</u>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCCGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGCTGCTGGAGCCCGCACTGTCCAGTAGCCAAGGCCCGGGTGGAGGTGGGAGCTTCCCACACCTG
CCTGCGTTCTCCCATGAACTTACATACTAGGTGCCTTTTGTGTTTGGCTTTCCTGGTTCTGTCTAGAC
TGGCCTAGGGGCCAGGGCTTTGGATGGGAGGCCGGGAGAGGATGTCTTTTTAAGGCTCTGTGCCTTG
GTCTCTCCTTCTTGGCTGAGATAGCAGAGGGGCTCCCGGGTCTCTACTGTTGCAGTGGCCTGGC
CGTTTCAGCCTGTCTCCCAACACCCCGCTGCCTCCTGGCTCAGGCCAGCTTATTGTGTGCGCTGCC
TGGCCAGGCCCTGGGTCTTGCCATGTGCTGGGTGGTAGATTTCTCCTCCAGTGCCTTCTGGGAAGGG
AGAGGGCCTCTGCCTGGGACACTGCGGGACAGAGGGTGGCTGGAGTGAATTAAGCCTTTGTTTTTAA
AGAAATGGCAAAGCCTTCGACTGA
ACGCGTAAGCGGCCCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Summary: This gene encodes the folylpolyglutamate synthetase enzyme. This enzyme has a central role in establishing and maintaining both cytosolic and mitochondrial folylpolyglutamate concentrations and, therefore, is essential for folate homeostasis and the survival of proliferating cells. This enzyme catalyzes the ATP-dependent addition of glutamate moieties to folate and folate derivatives. Alternative splicing results in transcript variants encoding different isoforms. [provided by RefSeq, Jan 2014]

Locus ID: 2356

MW: 18.4