

## Product datasheet for **SC208753**

### Folylpolyglutamate synthase (FPGS) (NM\_004957) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Folylpolyglutamate synthase (FPGS) (NM\_004957) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** FPGS  
**ACCN:** NM\_004957  
**Insert Size:** 507 bp  
**Insert Sequence:** >SC208753 3'UTR clone of NM\_004957  
 The sequence shown below is from the reference sequence of NM\_004957. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGCTGCTGGAGCCCGCACTGTCCAGTAGCCAAGGCCCGGGTGGAGGTGGGAGCTTCCCACACCTG
CCTGCGTTCTCCCATGAACTTACATACTAGGTGCCTTTTGTGGCTTTCCTGGTTCTGTCTAGAC
TGGCCTAGGGGCCAGGGCTTTGGATGGGAGGCCGGGAGAGGATGTCTTTTAAAGGCTCTGTGCCTTG
GTCTCTCCTTCTTGGCTGAGATAGCAGAGGGGCTCCCGGGTCTCTACTGTTGCAGTGGCCTGGC
CGTTCAGCCTGTCTCCCAACACCCCGCTGCCTCCTGGCTCAGGCCAGCTTATTGTGTGCGCTGCC
TGGCCAGGCCCTGGGTCTTGCCATGTGCTGGGTGGTAGATTTCTCCTCCAGTGCCTTCTGGGAAGGG
AGAGGGCCTCTGCCTGGGACACTGCGGGACAGAGGGTGGCTGGAGTGAATTAAGCCTTTGTTTTTAA
AGAAATGGCAAAGCCTTCGACTGA
ACGCGTAAGCGGCCCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul  
**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:** [NM\\_004957.6](#)



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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