

Product datasheet for **RN216958**

Fpgs (NM_001146125) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fpgs (NM_001146125) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fpgs
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN216958 representing NM_001146125
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTGGGCGGGAGCCACCTGTGCTCGGCTCTATCCTTGGCAGCTGTTTCTGCGCGTGGTGCAACGA
 TGGAGGGCGCGCGTATCGGTGGTTGAGCGCTGGCCAGCGCCGAGGAGCCGAGCATGGAGTATCAGGA
 TGCTGTGCGCACGCTCAACACCCTGCAAACCAATGCCAGCTGCCTGGAGGAGGTAAGCGTCAACCGAGT
 GACCCCTCAGGCGCAGCTAGAAGCTATGGAGGTGTACCTCGCACGGAGTGGACTGCAGGTGGAGGATTTGA
 ACCAACTAAAAATTATCCATGTCACTGGGACCAAGGAAAGGGCTCCACCTGTGCCTTCACTGAACGGAT
 CCTGCGGAATTACGGCTGAAAAGTGGCTTCTTTAGCTCTCCCCACCTGGTGCAGGTGCGTGAGCGGATT
 CGAATCAACGGGAAGCCATCAGCCCCGAACCTTTACCAAGTACTTCTGGCACCTCTATCAGCAGCTGG
 AGGAATCAAGGATGACAGCCACATTTCCATGCCCTTACTTCCGCTTCTCACACTCATGGCTTTCCA
 TGCTTCTCCTCAAGAGAAGGTGGACCTGGCCGTGGTGAAGTGGGCATTGGTGGGGCTTTTACTGCACC
 AACATCATCAGAAAGCCAGTGGTGTGTGGAGTCTCCTCTCTTGGCATTGACCACACCAGTCTGCTAGGAG
 ATACAGTGGAGAAAATAGCATGGCAGAAAAGGGGCATCTTTAAGCCTGGTGTCCCTGCCTTCACTGTGCT
 ACAGCCAGAAGGTCCCCTGGCCGTGCTGAGGGATAGAGCCAGCAGATCTCATGCCCCCTGTACCTGTGT
 CCACCATTTGGAAGCCCTGGAGCAGGTTGGATTGCCATTGAGCCTGGGCCTGGAGGGAGAGACCAGCGGC
 ATAATGCAGCCTTGGCCTTGAGCTGGCCCGTTGTTGGCTGGAGCAGCAGAACTACCATGACATCCAGGA
 GCTGAAGGCATCAAGCCAAGCATTTCGGTGGCAGCTGCCGCTGGCACCTGTGTTCCGCCCCACGCCCCAC
 ATGAGACGTGGGCTTCGGGACACAGAGTGGCCTGGTGGACACAGGACTCCAGCGGGGACCTGTTACCT
 GGTACCTGGATGGCGCTCATACCACCAGCAGTGTGCAGGCCTGTGTGCAGTGGTACTGCCAGTCACTGGA
 GCGCAGCAGACGCCACCGACGGTGGCATGAAGTACACATCTTGCTCTTCAACTCCACTGGTGACAGGGAC
 TCTGCTGCCCTACTGAAGTTGCTGCAGCCCTGCCATTTTATTACGCTGTCTTCTGCCCAATGTGACAG
 AGATTTTCATCCATAGGAAACGCAGACCAGCAGAACTTCACGGTACTCTGGACCAAGTGCTCCTCCGCTG
 CCTGCAGCACCAGAAGCATTGGAAGTGCCTGGCAGAGAAAACAGGCCAGCTCCAACCTCTGGGGCAGCTGT
 GGCCAGAGTCTGCCCGCCAGGCTCCCTGCTGCTGGCACCGCACCCACCTCAGCCCACTAGCACAGCT
 CCCTTGTTTTTCAGCTGCATCTCCACGCTTGCAGTGGATCAGCCAAGGCCGGGATCCCCTTTTCAGCC
 CGAGAGCCCTCAAGGAACCTTCTGAACCACCCACGGCCAACAGCGGGGCGAGCATTCTCCGAGAGGCC
 GCTGCCATCCACGTAAGTGTACGGGGAGCCTGCACCTGGTGGGTGGGGCGCTGAGGCTGCTTGATCCCT
 CCATGTCTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001146125
- Insert Size:** 1764 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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: [NM_001146125.2](#), [NP_001139597.2](#)

RefSeq Size: 2586 bp

RefSeq ORF: 1764 bp

Locus ID: 687266

Cytogenetics: 3p11

Gene Summary: human homolog catalyzes an ATP-dependent ligation step in the synthesis of poly(gamma-glutamate) folate metabolites [RGD, Feb 2006]