



Recombinant Human FPGS Protein Product Manual

1. Product Basic Information

Product No.: REP06926

Protein Name: Tetrahydrofolate Synthase (FPGS)

Aliases: tetrahydrofolate synthase; folypolyglutamate synthase; folypoly-gamma-glutamate synthetase; tetrahydrofolypolyglutamate synthase; folypolyglutamate synthase, mitochondrial

UniProt ID: Q05932

UniProt Link: <https://www.uniprot.org/uniprotkb/Q05932/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (43-587)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (43-587)

MEYQDAVRMLNTLQTNAGYLEQVKRQRGDPQTQLEAMELYLARSGLQVEDLDRL
NIIHVTGKKGKSTCAFTCEILRSYGLKTGFFSSPHLVQVRERIRINGQPISELPFTKY
FWRLYHRLEETKDGSCVSMPPYFRFLTLMFHVFLQEKVDLAVVEVGIGGAYDCTN
IIRKPVVCVSSLGIDHTSLLGDTVEKIAWQKGGIFKQGVPAFTVLQPEGPLAVLRDR
AQQISCPLYLCPMLEALEEGGPPLTLGLEGEHQRSNAALALQLAHCWLQRQDRHG
AGEPKASRPGLLWQLPLAPVFQPTSHMRLGLRNTEWPGRTQVLRRGPLTWYLDG
AHTASSAQACVRWFRQALQGRERPSGGPEVRVLLFNATGDRDPAALLKLLQPCQF
DYAVFCPNLTEVSSSTGNADQQNFTVTLDQVLLRCLEHQHWNHLDEEQASPDLS
APSPEPGGSASLLLAPHPHTCSASSLVFSCISHALQWISQGRDPIFQPPSPPKGLL
THPVAHSGASILREAAIHVLVTGSLHLVGGVLKLLPALSQ

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human FPGS full length of mature protein protein (43-587) expressed in Yeast. FPGS, also known as tetrahydrofolate synthase or folypolyglutamate synthase or folypoly-gamma-glutamate synthetase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.