



Recombinant Human GLS2 Protein Product Manual

1. Product Basic Information

Product No.: REP06993

Protein Name: Glutaminase Glutaminase Breast Cell Glutaminase (GLS2)

Aliases: GA; GLS; LGA; hLGA; glutaminase glutaminase breast cell glutaminase; L-glutamine amidohydrolase; phosphate-activated glutaminase; phosphate-dependent glutaminase; glutaminase 2 (liver, mitochondrial);...

UniProt ID: Q9UI32

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UI32/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (15-602aa)

Molecular Weight: 80.7kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (15-602aa)

GSHCGRGGWGHPSRSPLLGGGVRHHLSEAAAQGRETPHSHQPQHGDHDSSESG
MLSRLGDLLFYTIAEGQERIPHKFTTALKATGLQTSDPRLRDCMSEMHRVVQESS
GGLLDRDLFRKCVSSNIVLLTQAFRKKFVIPDFEEFTGHVDRIFEDVKELTGGKVAAY
IPQLAKSNPDLWGVSLCTVDGQRHHSVGHKIPFCLQSCVKPLTYAISISTLGTDYVH
KFVGKEPSGLRYNKLNLNEEGIPHNPMVNAGAIIVSSLIKMDCNKAEKDFVLQYLN
KMAGNEYMGFSNATFQSEKETGDRNYAIGYYLKEKKCFPKGVDMMMAALDLYFQLC
SVEVTCESGSVMAATLANGGICPITGESVLSAEAVRNTLSLMHSCGMYDFSGQFAF
HVGLPAKSAVSGAILLVVPNVMGMMCLSPPLDKLGNSHRGTSFCQKLVSLFNHNY
DNLRHCARKLDPRREGAEIRNKTVVNLLFAAYSGDVSALRRFALSAMDMEQKDYD
SRTALHVA AAAEGHIEVVKFLIEACKVNPFAKDRWGNIPLD DAVQFNHLEVVKLLQDY
QDSYTLSETQAEAAAEALSKENLESMV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

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 GLS2 full length of mature protein protein (15-602aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. GLS2, also known as GA or GLS or LGA, 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.