

## Recombinant Human GLS2 protein, His-SUMO-tagged

Cat. No. GLS2-4913H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human GLS2 protein(Q9UI32)(15-602aa), fused to N-terminal His-SUMO tag, was expressed in E. coli                                                                                                                                                  |
| Species          | Human                                                                                                                                                                                                                                                         |
| Source           | E.coli                                                                                                                                                                                                                                                        |
| ProteinLength    | 15-602aa                                                                                                                                                                                                                                                      |
| Form             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                         |
| Molecular Mass   | 80.7 kDa                                                                                                                                                                                                                                                      |
| Purity           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| Storage          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| Reconstitution   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | GLS2 glutaminase 2 (liver, mitochondrial) [ Homo sapiens ]                                                                                                                                                                                                                               |
| Official Symbol | GLS2                                                                                                                                                                                                                                                                                     |
| Synonyms        | GLS2; glutaminase 2 (liver, mitochondrial); glutaminase liver isoform, mitochondrial; GA; GLS; hLGA; LGA; L-glutaminase; glutaminase I; glutaminase GA; breast cell glutaminase; L-glutamine amidohydrolase; phosphate-activated glutaminase; phosphate-dependent glutaminase; MGC71567; |
| Gene ID         | 27165                                                                                                                                                                                                                                                                                    |
| mRNA Refseq     | NM_013267                                                                                                                                                                                                                                                                                |
| Protein Refseq  | NP_037399                                                                                                                                                                                                                                                                                |
| MIM             | 606365                                                                                                                                                                                                                                                                                   |
| UniProt ID      | Q9UI32                                                                                                                                                                                                                                                                                   |

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