

Recombinant Human GLS2 Protein, GST-tagged

Cat. No. GLS2-4980H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLS2 full-length ORF (1 a.a. - 602 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a mitochondrial phosphate-activated glutaminase that catalyzes the hydrolysis of glutamine to stoichiometric amounts of glutamate and ammonia. This protein is functionally similar to the kidney glutaminase but is a little smaller in size. Originally thought to be liver-specific, this protein has been found in other tissues as well. At least one transcribed pseudogene has been found for this gene. [provided by RefSeq]
Molecular Mass	92.7 kDa
AA Sequence	MRSMKALQKALS RAGSHCGRGGWGHPSRSPLLGGGVRRHHLSEAAAQGRETPHSH QPQHQDHDSS ESGMLSRLGDLLFYTIAEGQERIPHKFTTALKATGLQTSDPRLRDC MSEMRVQVQESSGGLDRDLFRKCVSSNIVLLTQAFRKKFVIPDFEEFTGHVDRI EDVKELTGGKVAAYIPQLAKSNPDLWGVSLCTVDGQRHSGHTKIPFCLQSCVKPLT YAISISTLGT DYVHKFVGKEPSGLRYNKL SLNEEGIPHNPMVNAGAI VVSSLIKMDCN KAEKDFVLQYLNKMAGNEYMGFSNATFQSEKETGDRNYAIGYYLKEKKCFPKGVD MMAALDLYFQLCSVEVTCESGSVMAATLANGGICPITGESVLSAEAVRNTLSLMHSC GMYDFSGQFAFHVGLPAKSAVSGAILLVVPNVMGMMCLSPPLDKLGNSHRGTSFC

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QKLVSLEFNHNYDNLRHCARKLDPRREGAEIRNKTVVNLLFAAYSGDVSALRRFALS
AMDMEQKDYDSRTALHVAAAEGHIEVVKFLIEACKVNPFAKDRWGNIPLDDAVQFN
HLEVVKLLQDYQDSYTLSETQAEAAAEALSKENLESMV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	606365
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UniProt ID	Q9UI32
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