

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	MRSMKALQKALSRAGSHCGRGGWGHPSRSPLLGGGVRRHHLSEAAAQGRETPHSH QPQHGDHDSSESGMLSRGLDLLFYTIAEGQERIPHKFTTALKATGLQTS DPRLRDC MSEMRVQESSGGLDRDLFRKCVSSNIVLLTQAFRKKFVIPDFEFTGHVDRI EDVKELTGGKVAAYIPQLAKSNPDLWGVSLCTVDGQRH SVGHTKIPFCLQSCVKPLT YAISISTLGTDYVHKFVGKEPSGLRYNKL SLNEEGIPHNPMVNAGAI VVSSLIKMDCN KAEKDFVLQYLNKMAGNEYMGFSNATFQSEKETGDRNYAIGYYLKEKKCFPKGVD MMAALDLYFQLCSVEVTCESGSVMAATLANGGICPITGESVLSAEAVRNTLSLMHSC GMYDFSGQFAFHVGLPAKSAVSGAILLVV PNVMGMMCLSPPLDKLGNSHRGTSFC

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QKLVSLFNFHNYDNLRHCAKLDPRREGAEIRNKTVVNLLFAAYS GDVSALRRFALS
 AMDMEQKDYDSRTALHVAAAEGHIEVVKFLIEACKVNPFAKDRWGNIPLDDAVQFN
 HLEVVKLLQDYQDSYTLSETQAEAAA EALS KENLESMV

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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