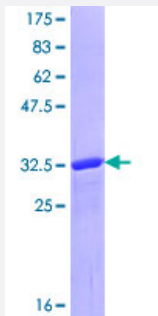


GLS2 (Human) Recombinant Protein (Q01)

Catalog # H00027165-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GLS2 partial ORF (NP_037399.2, 543 a.a. - 602 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KVNPFADRWGNIPLDLDAVQFNHLEVVKLLQDYQDSYTLSETQAEAAAEALSKENLESMV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.34
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GLS2

Entrez GeneID	27165
GeneBank Accession#	NM_013267
Protein Accession#	NP_037399.2
Gene Name	GLS2
Gene Alias	GA, GLS, LGA, MGC71567, hLGA
Gene Description	glutaminase 2 (liver, mitochondrial)
Omim ID	606365
Gene Ontology	Hyperlink
Gene Summary	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 pseudo gene has been found for this gene. [provided by RefSeq]
Other Designations	L-glutaminase L-glutamine amidohydrolase breast cell glutaminase glutaminase 2 glutaminase G A glutaminase I glutaminase, liver phosphate-activated glutaminase phosphate-dependent glutaminase

Pathway

- [Alanine](#)

- [Arginine and proline metabolism](#)
- [D-Glutamine and D-glutamate metabolism](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)

Disease

- [Schizophrenia](#)