

Glutaminase liver isoform Recombinant Protein | GLS2 recombinant protein

Recombinant Human Glutaminase liver isoform, mitochondrial

CATALOG #
AAA117223

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

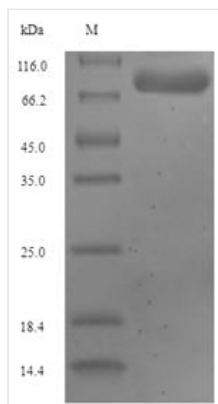
PRODUCT SYNONYMS

Glutaminase liver isoform; Recombinant Human Glutaminase liver isoform; mitochondrial; L-glutaminase; L-glutamine amidohydrolase; GLS2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	15-602. Mature full length protein.
Sequence	GSHCGRGGWG HPSRSPLLGG GVRHHLSEAA AQGRETPHS QPQH QDHDSS ESGMLSRLGD LLFYTIAEGQ ERIPHKFTT ALKATGLQTS DPRLRDCMSE MHRVVQESSS GGLLDRDLFR KCVSSNIVLL TQAFRKKFVI PDFEFTGHV DRIFEDVKEL TGGKVAAYIP QLAKSNPDLW GVSLCTVDGQ RHSVGHKIP FCLQSCVKPL TYAISITLG TDYVHKFVGK EPSGLRYNKL SLNEEGIPHN PMVNAGAIVV SSLIKMDCNK AEKFDFVLQY LNKMAGNEYM GFSNATFQSE KETGDRNYAI GYYLKEKKCF PKGVDMMAAL DLYFQLCSVE VTCESGSVMA ATLANGGICP ITGESVLSAE AVRNTLSLMH SCGMYDFSGQ FAFHVGLPAK SAVSGAILLV VPNVMMGMCL SPPLDKLGN HRGTSFCQKL VSLFNHNYD NLRHCARKLD PRREGAEIRN KTVVNLLFAA YSGDVSALRR FALSAMDMEQ KDYDSRTALH VAAAEHIEV VKFLIEACKV NPFKDRWGN IPLDDAVQFN HLEVVKLLQD YQDSYTLSET QAEAAAALS KENLESMV
Sequence Length	602
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GLS2 recombinant protein	Plays an important role in the regulation of glutamine catabolism. Promotes mitochondrial respiration and increases ATP generation in cells by catalyzing the synthesis of glutamate and alpha-ketoglutarate. Increases cellular anti-oxidant function via NADH and glutathione production. May play a role in preventing tumor proliferation.
Product Categories/Family for GLS2 recombinant protein	Metabolism
References	"Molecular cloning, sequencing and expression studies of the human breast cancer cell glutaminase." Gomez-Fabre P.M., Aledo J.C., del Castillo-Olivares A., Alonso F.J., Nunez de Castro I., Campos J.A., Marquez J. Biochem. J. 345:365-375(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	526118222
NCBI GeneID	27165
NCBI Accession #	NP_001267727.1
NCBI GenBank Nucleotide #	NM_001280798.1
UniProt Accession #	Q9UI32; Q8IX91; Q9NYY2; Q9UI31; B7Z8Q9
Molecular Weight	80.7 kDa
NCBI Official Full Name	glutaminase liver isoform, mitochondrial isoform 4
NCBI Official Synonym Full Names	glutaminase 2
NCBI Official Symbol	GLS2
NCBI Official Synonym Symbols	GA; GLS; LGA; hLGA
NCBI Protein Information	glutaminase liver isoform, mitochondrial
UniProt Protein Name	Glutaminase liver isoform, mitochondrial
UniProt Gene Name	GLS2
UniProt Synonym Gene Names	GA; GLS
UniProt Entry Name	GLSL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gls2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117223>