

Glutaminase kidney isoform, mitochondrial Recombinant Protein | GIs recombinant protein

Recombinant Rat Glutaminase kidney isoform, mitochondrial

CATALOG #
AAA114077

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Glutaminase kidney isoform; mitochondrial; Recombinant Rat Glutaminase kidney isoform; K-glutaminase L-glutamine amidohydrolase Cleaved into the following 2 chains: 1. Glutaminase kidney isoform 68 kDa chain 2. Glutaminase kidney isoform 65 kDa chain; GIs 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	17-674, Full Length of Mature Protein
Sequence	PPAAVGGVLR RTQPLGTLCR RPRGGSRPAA GLVAAARLHP WWGGGGRAGK PGSGGLSSSP SEILQELGKG GTPPQQQQQQ QQQPGASPPA APGPKDSPGE TDAFGNSEGK EMVAAGDNKV KQGLLPSELD LFFYTIAEGQ EKIPVHKFIT ALKSTGLRTS DPRLKECMDM LRLTLQTTSD GVMLDKDLFK KCVQSNIVLL TQAFRRKFVI PDFMSFTSHI DELYESAKKQ SGGKVADYIP QLAKFSPDLW GVSVCTVDGQ RHSIGDTKVP FCLQSCVKPL KYAIAVNDLG TEYVHRYVGK EPSGLRFNKL FLNEDDKPHN PMVNAGAIVV TSLIKQGVNN AEKFDYVMQF LNKMAGNEYV GFSNATFQSE RESGDRNFAI GYYLKEKKCF PEGTDMVGIL DFYFQLCSIE VTCESASVMA ATLANGGFCP ITGERVLSPE AVRNTLSLMH SCGMYDFSGQ FAFHVGLPAK SGVAGGILLV VPVMGMMMCW SPPLDKMGNS VKGIHFCHDL VSLCNFHNYD NLRHFAKKLD PRREGGDQRV KSVINLLFAA YTG DV SALRR FALSAMDMEQ RDYDSRTALH VAAAEGHVEV VKFLEACKV NPFPKDRWNN TPMDEALHFG HHDVFKILQE YQVQYTPQGD SDDGKENQTV HKNLDGLL
Sequence Length	658
Species	Rat
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for GIs recombinant protein	Catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine. Plays a role in maintaining acid-base homeostasis. Regulates the levels of the neurotransmitter glutamate in the brain.
Product Categories/Family for GIs recombinant protein	Neuroscience
References	"Isolation, characterization, and in vitro expression of a cDNA that encodes the kidney isoenzyme of the mitochondrial glutaminase." Shapiro R.A., Farrell L., Srinivasan M., Curthoys N.P. J. Biol. Chem. 266:18792-18796(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	158303296
NCBI GeneID	24398
NCBI Accession #	NP_001103438.1

NCBI GenBank Nucleotide #	NM_001109968.1
UniProt Accession #	P13264 ; Q8R421
Molecular Weight	88.4kD
NCBI Official Full Name	glutaminase kidney isoform, mitochondrial isoform b
NCBI Official Synonym Full Names	glutaminase
NCBI Official Symbol	Gls
NCBI Official Synonym Symbols	Glut; RATGLUT
NCBI Protein Information	glutaminase kidney isoform, mitochondrial
UniProt Protein Name	Glutaminase kidney isoform, mitochondrial
UniProt Gene Name	Gls
UniProt Synonym Gene Names	GLS

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/gls-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114077>