

Datasheet for ABIN7584469

Glutaminase Protein (GLS) (AA 17-674) (His tag)



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Overview

Quantity:	100 µg
Target:	Glutaminase (GLS)
Protein Characteristics:	AA 17-674
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutaminase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PPAA VGGVLRRTQP LGTLCRRPRG GSRPAAGLVA AARLHPWWGG GGRAKGP GSG GLSSSPSEIL QELGKGGTPP QQQQQQQQP GASPPAAPGP KDSPGETDAF GNSEKEMVA AGDNKVKQGL LPSLEDLLFY TIAEGQE KIP VHKFITALKS TGLRTSDPRL KECMDMLRLT LQTTSDGVML DKDLFKKCVQ SNIVLLTQAF RRKFVIPDFM SFTSHIDELY ESAKKQSGGK VADYIPQLAK FSPDLWGVSV CTVDGQRHSI GDTKVPFCLQ SCVKPLKYAI AVNDLGTEYV HRYVGKEPSG LRFNKLFLNE DDKPHNPMVN AGAIVVTS LI KQGVNNAEKF DYVMQFLNKM AGNEYVGFNS ATFQSERESG DRNFAIGYYL KEKKCFPEGT DMVGILDFYF QLCSIEVTCE SASVMAATLA NGGFCPITGE RVLSP EAVRN TSLMHSCGM YDFSGQFAFH VGLPAKSGVA GGILLVVPNV MGMMCWSPPL DKMGNSVKGI HFCHDLVSLC NFHNYDNLRH FAKKLDPRRE GGDQVRKSVI NLLFAAYTGD VSALRRFALS AMDMEQRD YD SRTALHVAAA EGHVEVVKFL LEACKVNPFP KDRWNNT PMD EALHFGHHDV FKILQEYQVQ YTPQGDSDDG KENQTVHKNL DGLL
Specificity:	Rattus norvegicus (Rat)

Product Details

Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
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Purity:	> 90 %
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Target Details

Target:	Glutaminase (GLS)
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Alternative Name:	Glutaminase kidney isoform, mitochondrial (GLs) (GLS Products)
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Background:	<p>Recommended name: Glutaminase kidney isoform, mitochondrial.</p> <p>Short name= GLS.</p> <p>EC= 3.5.1.2.</p> <p>Alternative name(s): K-glutaminase L-glutamine amidohydrolase Cleaved into the following 2 chains: 1.</p> <p>Glutaminase kidney isoform 68 kDa chain 2.</p> <p>Glutaminase kidney isoform 65 kDa chain</p>
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UniProt:	P13264
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Pathways:	Feeding Behaviour , Dicarboxylic Acid Transport , Warburg Effect
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Application Details

Comment:	<p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p>
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Handling

Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.