Datasheet for ABIN1631547

GARS Protein (AA 1-637) (His tag)

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Overview

Quantity:	1 mg
Target:	GARS
Protein Characteristics:	AA 1-637
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GARS protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	RVLEAKELAL QPKDDIVDRA KMEDTLKRRF FYDQAFAIYG GVSGLYDFGP VGCALKNNII QTWRQHFIQE EQILEIDCTM LTPEPVLKTS GHVDKFADFM VKDVKNGECF RADHLLKAHL QKLMSDKKCS AEKKSEMESV LAQLDNYGQQ ELADLFVNYN VKSPTTGNDL SPPVPFNLMF QTFIGPGGNM PGYLRPETAQ GIFLNFKRLL EFNQGKLPFA AAQIGNSFRN EISPRSGLIR VREFTMAEIE HFVDPTEKDH PKFPSVADLY LYLYSAKAQV TGQSARKMRL GDAVEQGVIN NSVLGYFIGR IYLYLTKVGI SPDKLRFRQH MENEMAHYAC DCWDAESKTS YGWIEIVGCA DRSCYDLSCH ARATKVPLVA EKPLKEPKTV NVVQFEPNKG AVGKAYKKDA KLVLEYLGAC DECYITEMEL LLSEKGEFTI ETEGKTFQLT KDMVSVKRFQ KTLHVEEVVP SVIEPSFGLG RIMYTILEHT FHVREGDEQR TFFSFPAVVA PFKCSVLPLS QNQEFMPFVK ELSEALTRNG VSHKVDDSSG SIGRRYARTD EIGVAFGITI DFDTVNKTPH TATLRDRDSM RQIRAEVSEL PSVVRDLANG NITWADVEAR YPLFEGQETG KKETVEE
Specificity:	Rattus norvegicus (Rat)

Product Details

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

Target Details

Target:	GARS
Alternative Name:	Glycine--tRNA ligase (Gars) (GARS Products)
Background:	Recommended name: Glycine--tRNA ligase. EC= 6.1.1.14. Alternative name(s): Diadenosine tetraphosphate synthetase. Short name= AP-4-A synthetase Glycyl-tRNA synthetase. Short name= GlyRS
UniProt:	Q5I0G4
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Comment:	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 modificated 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol

Handling

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.