Datasheet for ABIN7280733

GARS Protein (AA 43-289) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	GARS
Protein Characteristics:	AA 43-289
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GARS protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSPISLPAA ASRSSMDGAG AEEVLAPLRL AVRQQGDLVR KLKEDKAPQV DVDKAVAELK ARKRVLEAKE LALQPKDDIV DRAKMEDTLK RRFFYDQAFA IYGGVSGLYD FGPVGCALKN NIIQTWRQHF IQEEQILEID CTMLTPEPVL KTSGHVDKFA DFMVKDVKNG ECFRADHLLK AHLQKLMSDK KCSVEKKSEM ESVLAQLDNY GQQELADLFV NYNVKSPITG NDLSPPVSFN LMFKTFIGPG
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	GARS
Alternative Name:	GARS (GARS Products)
Background:	GARS, also known as glycyl-tRNA synthetase, is one of the aminoacyl-tRNA synthetases that

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Target Details

	charge tRNAs with their cognate amino acids. This enzyme is an (alpha)2 dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Recombinant human GARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	30.0 kDa (270aa), confirmed by MALDI-TOF
NCBI Accession:	NP_002038
UniProt:	P41250
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

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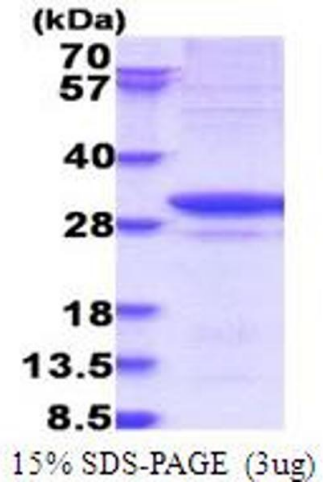

SDS-PAGE
Image 1.

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