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Datasheet for ABIN667147

GLUL Protein (AA 1-373) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	GLUL
Protein Characteristics:	AA 1-373
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLUL protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	GLUL, 1-373aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	GLUL
Alternative Name:	GLUL (GLUL Products)
Background:	<p>Glutamine synthetase (GLUL), which is therefore able to regulate intracellular concentrations of glutamate. GLUL catalyzes the synthesis of glutamine from glutamate and ammonia.</p> <p>Glutamine is a main source of energy and is involved in cell proliferation, inhibition of apoptosis, and cell signaling. GLUL is essential for proliferation of fetal skin fibroblasts and plays an important role in controlling body pH by removing ammonia from circulation. Mutations in</p>

Target Details

GLUL are associated with congenital glutamine deficiency. Recombinant GLUL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: GS, GLNS, Glutamine synthetase, Glutamate-ammonia ligase, Glutamate decarboxylase. NCBI no.: NP_001028216

Molecular Weight: 44.2kDa (393aa), confirmed by MALDI-TOF

Pathways: [Positive Regulation of Peptide Hormone Secretion](#)

Application Details

Restrictions: For Research Use only

Handling

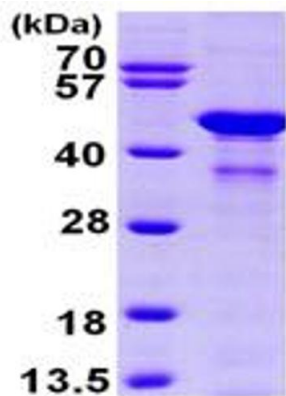
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 5mM DTT, 200mM NaCl

Storage: 4 °C

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.