Datasheet for ABIN666628

Glutathione Synthetase Protein (GSS) (AA 1-474) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Glutathione Synthetase (GSS)
Protein Characteristics:	AA 1-474
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutathione Synthetase protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	GSS, 1-474aa, Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	Glutathione Synthetase (GSS)
Alternative Name:	GSS (GSS Products)
Background:	Glutathione synthetase, also known GSS, is the second enzyme in the glutathione biosynthesis pathway. It catalyses the condensation of gamma-glutamylcysteine and glycine, to form glutathione. Defects in GSS are the cause of glutathione synthetase deficiency (GSS deficiency), also known as 5-oxoprolinuria or pyroglutamic aciduria. It is a severe form characterized by an increased rate of hemolysis and defective function of the central nervous system. Recombinant

Target Details

	human GSS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Glutathione synthetase, GSHS, GSH synthetase. NCBI no.: NP_000169
Molecular Weight:	54.5 kDa (494aa) confirmed by MALDI-TOF
Pathways:	Warburg Effect

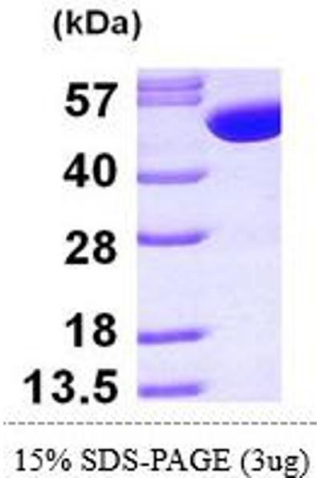
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Storage:	4 °C

Images



SDS-PAGE

Image 1.