

[Go to Product page](#)

Datasheet for ABIN1691799

GLN1 Protein (AA 2-373) (His tag)

Overview

Quantity:	50 µg
Target:	GLN1
Protein Characteristics:	AA 2-373
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLN1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Glutamine Synthetase/GLUL (C-6His)
Sequence:	TTSASSHLNK GIKQVYMSLP QGEKVQAMYI WIDGTGEGLR CKTRTLDSEP KCVEELPEWN FDGSSTLQSE GSNSDMYLPV AAMFRDPFRK DPNKLVLCFV FKYNRRPAET NLRHTCKRIM DMVSNQHPWF GMEQEYTLMG TDGHPFGWPS NGFPGPQGPY YCGVGADRAY GRDIVEAHYR ACLYAGVKIA GTNAEVMPAQ WEFQIGPCEG ISMGDHLWVA RFILHRVCED FGVIATFDPK PIPGNWNAGAG CHTNFSTKAM REENGLKYIE EAIKLSKRH QYHIRAYDPK GGLDNARRLT GFHETSNIND FSAGVANRSA SIRIPRTVGQ EKKGYFEDRR PSANCDPFSV TEALIRTCLL NETGDEPFQY KNLEHHHHHH
Characteristics:	Recombinant Human Glutamine Synthetase/GLUL is produced by our E. coli expression system. The target protein is expressed with sequence (Thr2-Asn373) of Human GLUL fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GLN1
Alternative Name:	Glutamine Synthetase (GLN1 Products)
Sub Type:	Fusionprotein
Background:	<p>Glutamine Synthetase regulates intracellular concentration of glutamate. Glutamine Synthetase catalyzes the synthesis of glutamine from glutamate and ammonia. Glutamine is an important source of energy and that takes part in cell proliferation, inhibition of apoptosis, and cell signaling. Glutamine Synthetase is expressed during early fetal stages, and has a role in maintaining body pH by removing ammonia from circulation. Mutations in the GLUL gene are related to congenital glutamine deficiency.</p> <p>Alternative Names: Glutamine Synthetase, GS, Glutamate Decarboxylase, Glutamate--Ammonia Ligase, GLUL, GLNS</p>
Molecular Weight:	43.13 kDa
UniProt:	P15104
Pathways:	Positive Regulation of Peptide Hormone Secretion

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 200 mM NaCl, 50 mM Imidazole, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C

Handling

Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
------------------	---

Expiry Date:	6 months
--------------	----------