

Glutamine Synthetase, human recombinant
GLNS, GS, PIG43, PIG59, GLUL
Catalog # PBV11547r**Specification****Glutamine Synthetase, human recombinant - Product info**

Primary Accession	P15104
Concentration	1 mg/ml
Calculated MW	42 kDa kDa

Glutamine Synthetase, human recombinant - Additional Info

Gene ID	2752
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Other Names

GLNS, GS, PIG43, PIG59, GLUL

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE;> 85%
Recombinant	Yes
Sequence	MTTSASSHLN KGIKQVYMSL PQGEKVQAMY IWIDGTGEG L RCKTRTLDSE PKCVEELPEW NFDGSSTLQS EGSNSDMYLV PAAMFRDPFR KDPNKLVLCE VFKNRRPAE TNLRHCTCKRI MDMVSNQHPW FGMEQEYTLN GTDGHPFGWP SNGFPGPQGP YYCGVGADRA YGRDIVEAHY RACLYAGVKI AGTNAEVMPA QWEFQIGPCE GISMGDHLWV ARFILHRVCE DFGVIATFDP KPIPGNWNGA GCHTNFSTKA MREENGLKYI EEAIEKLSKR HQYHIRAYDP KGGLDNARRL TGFHETSNIN DFSAGVANRS ASIRIPRTVG QEKKG YFEDR RPSANCDPFS VTEALIRTCL LNETGDEPFQ YKN

Target/Specificity

GLUL

Format

Liquid

Storage

-20°C;In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1 mM DTT, 0.1 mM PMSF

Glutamine Synthetase, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glutamine Synthetase, human recombinant - Images

Glutamine Synthetase, human recombinant - Background

GLUL also known as Glutamine synthetase. It is a trimetallic enzyme containing two divalent cation sites and one monovalent cation site per subunit. GLUL is able to regulate intracellular concentrations of glutamate and catalyzes the synthesis of glutamine from glutamate and ammonia. It is ubiquitously expressed in the human and plays a major role for many metabolic pathways such as cell proliferation, inhibition of apoptosis, and cell signaling. Recombinant Human GLUL was expressed in E.coli and purified by using conventional chromatography techniques.