

Glutamine Synthetase Recombinant Protein | GLUL recombinant protein

Recombinant Human Glutamine Synthetase

CATALOG # AAA38802	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Glutamine Synthetase; Recombinant Human Glutamine Synthetase; GLUL Human; Glutamine Synthetase Human Recombinant; GLNS; EC 6.3.1.2; EC 4.1.1.15; GLUL; GS; Glutamate decarboxylase; Glutamate--ammonia ligase; PIG43; PIG59; GLUL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	GLUL Human solution containing 20mM Tris-HCl pH-8, 5mM DTT, 0.2M NaCl & 20% glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMTT SASSHLNKG I KQVYMSLPQG EKVQAMYIWI DGTGEGLRCK TRTL DSEPKC VEELPEWNFD GSSTLQSEGS NSDMYLVPA MFRDPFRKDP NKLVLCEVFK YNRRPAETNL RHTCKRIMDM VSNQHPWFGM EQEYTLMGTD GHPFGWPSNG FPGPQGPPYC GVGADRAYGR DIVEAHYRAC LYAGVKIAGT NAEVMPAQWE FQIGPCEGIS MGDHLWVARF ILHRVCEDFG VIATFDPKPI PGNWNGAGCH TNFSTKAMRE ENGLKYIEEA IEKLSKRHQY HIRAYDPKGG LDNARRLTGF HETSNINDFS AGVANRSASI RIPRTVGQEK KGYFEDRRPS ANCDPFSVTE ALIRTCLLNE TGDEPFQYKN
Sequence Length	373

ADDITIONAL INFORMATION

Related Product Information for GLUL recombinant protein	Description: GLUL Recombinant Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 393 amino acids (1-373 a.a.) and having a molecular mass of 44.2 kDa. The GLUL is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: GLUL catalyzes the synthesis of glutamine from glutamate and ammonia. Glutamine is a major source of energy and that takes part in cell proliferation, inhibition of apoptosis, and cell signaling. GLUL is expressed during early fetal stages, and has a role in maintaining body pH by removing ammonia from circulation. Mutations in GLUL gene are related with congenital glutamine deficiency.
Product Categories/Family for GLUL recombinant protein	Enzymes; Synthetase

NCBI AND UNIPROT INFORMATION

NCBI GI #	74271837
NCBI GeneID	2752
NCBI Accession #	NP_001028216.1
NCBI GenBank Nucleotide #	NM_001033044.3
UniProt Accession #	P15104; Q499Y9; Q5T9Z1; Q7Z3W4; Q8IZ17
Molecular Weight	42,064 Da
NCBI Official Full Name	glutamine synthetase

NCBI Official Synonym Full Names	glutamate-ammonia ligase
NCBI Official Symbol	GLUL
NCBI Official Synonym Symbols	GS; GLNS; PIG43; PIG59
NCBI Protein Information	glutamine synthetase; cell proliferation-inducing protein 59; glutamate decarboxylase; glutamine synthase; proliferation-inducing protein 43
UniProt Protein Name	Glutamine synthetase
UniProt Gene Name	GLUL
UniProt Synonym Gene Names	GLNS; GS
UniProt Entry Name	GLNA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/glul-recombinant-protein-e-coli/38802>