

# Human GLUL Recombinant Protein



RPPB5813

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## Product Information    Protein Information

**Product SKU:**

RPPB5813

**Accession:**

P15104

**Host:**

Escherichia Coli.

**Protein description:**

GLUL Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 373 amino acids (1-373) and having a molecular mass of 42kDa.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

Glutamine synthetase, GLUL Active, GLUL, Glutamine Synthetase, Active, GLNS, GS, PIG43, PIG59, Glutamate decarboxylase (EC:4.1.1.15), Glutamate--ammonia ligase.

**Formulation:**

GLUL protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol 1mM DTT and 0.1mM PMSF.

**Purity:**

Greater than 85.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MTTSASSHLN KGIKQVYMSL PQGEKVQAMY IWIDGTGEGE RCKTRTLTSE PKCVELPEW NFDGSSTLQS  
EGNSDMYLV PAAMFRDPFR KDPNKLVLCE VFKNRRPAE TNLRHCTKRI MDMVSNQHPW FGMEQEYTLM  
GTDGHPFGWP SNGFPGPQGP YYCGVGADRA YGRDIVEAHY RACLYAGVKI AGTNAEVMMPA QWEFQIGPCE  
GISMGDHLWV ARFILHRVCE DFGVIATFDP KPIPGNWNGA GCHTNFSTKA MREENGLKYI EEAIEKLSKR  
HQYHIRAYDP KGGLDNARRL TGFHETSNIN DFSAGVANRS ASIRIPRTVG QEKKG YFEDR RPSANCDPFS  
VTEALIRTCL LNETGDEPFQ YKN.

**Biological Activity:**

Specific activity is > 2.000 pmol/min/ug, and is defined as the amount of enzyme that convert L-glutamate to L-glutamine per miunte at pH 7.5 at 37C in coupled system with PK/LDH.