

32-8028: Recombinant Human Glutamine Synthetase/GLUL (C-6His)

Gene : GLUL
Gene ID : 2752
Uniprot ID : P15104

Description

Source: E.coli.
MW :43.13kD.

Recombinant Human Glutamine Synthetase is produced by our E.coli expression system and the target gene encoding Thr2-Asn373 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 200mM NaCl, 50mM Imidazole, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : TTSASSHLNKGIKQVYMSLPQGEKVQAMYIWIDGTGEGLRCKTRTLTLDSEPKCVEELPEWNFDGSSTLQSEGSN
SDMYLVPAAMFRDPFRKDPNKLVLCEVFKYNRRPAETNLRHTCKRIMDMVSNQHPWFGMEQEYTLMGTDGH
PFGWPSNGFPGPQGPYYCGVGADRAYGRDIVEAHYRACLYAGVKIAGTNAEVMPAQWFEQIGPCEGISMGDH
LWVARFILHRVCEDFGVIATFDPKPIPGNWNGAGCHTNFSTKAMREENGLKYIEEAIEKLSKRHQYHIRAYDPKG
GLDNARRLTGFHETSININDFSAGVANRSASIRIPRTVVGQEKKGYFEDRRPSANCDPFSVTEALIRTCLLNETGDE
PFQYKNLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.