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GLUL, 1-373aa, Human, E.coli (Bioactivity Validated)

产品货号: TP02264

第三版

别名: Glutamine synthetase, GLNS, GS, PIG43, PIG59, cell proliferation-inducing protein 59, GLNA, GLNA_HUMAN, GLNS, GLUL, Glutamate ammonia ligase.

描述: 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

配方: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 0.1mM PMSF

分子量: 42kDa (373aa), confirmed by MALDI-TOF

序列:

MTTSASSHLNKGIKQVYMSLPQGEKVQAMYIWIDGTGEGLRCKTRTLTLDSEPKCVEELPEWNFDGSSTLQSEGSNSDMYLV
PAAMFRDPFRKDPNKLVLCEVFKYNRRPAETNLRHTCKRIMDMVSNQHPWFGMEQEYTLMGTDGHPFGWPSNGFPGP
QGPYYCGVGADRAYGRDIVEAHYRACLYAGVKIAGTNAEVMPAQWFEQIGPCEGISMGDHLWVARFILHRVCEDFGVI
ATFDPKPIPGNWNAGCHTNFSTKAMREENGLKYIEEAIEKLSKRHQYHIRAYDPKGGLDNARRLTGFHETSININDFSAG
VANRSASIRIPRTVGQEKKG YFEDRRPSANCDPFSVTEALIRTCLLNETGDEPFQYKN

纯度: > 95% by HPLC

浓度: 1mg/ml (determined by Absorbance at 280nm)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.