

Recombinant Human Glutamine Synthetase/GLUL Protein(C-6His)

Cat.NO.: TP06185

3th Edition

Synonyms:Glutamine Synthetase; GS; Glutamate Decarboxylase; Glutamate--Ammonia Ligase; GLUL; GLNS

Description: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.

Form:PBS

Molecular Weight:43.1 kDa

Sequences:Thr 2-Asn373

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.