

Recombinant Human GLUL Protein (His Tag)

Catalog No. PKSH032494

Note: Centrifuge before opening to ensure complete recovery of vial contents.

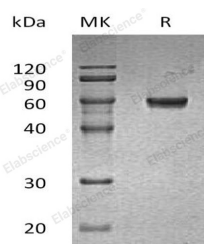
Description

Synonyms	Glutamine Synthetase;GS;Glutamate Decarboxylase;Glutamate--Ammonia Ligase;GLUL;GLNS
Species	Human
Expression Host	E.coli
Sequence	Thr 2-Asn373
Accession	P15104
Calculated Molecular Weight	43.1 kDa
Observed molecular weight	40-50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 200mM NaCl, 50mM Imidazole, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

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congenital glutamine deficiency.