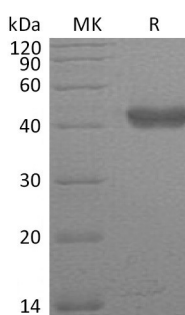


Summary

Name	Glutamine synthetase/GLUL/GLNS
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P15104
Host	E.coli
Species	Human
Predicted Molecular Mass	43.13 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, 50mM Imidazole, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Glutamine Synthetase; GS; Glutamate Decarboxylase; Glutamate-Ammonia Ligase; GLUL; GLNS
Background	Glutamine Synthetase regulates intracellular concentration of glutamate. Glutamine Synthetase catalyzes the synthesis of glutamine from glutamate and ammonia.

Product Name: Recombinant Human GLUL (C-6His)
Catalog #: PEH0738



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.

Note

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