Recombinant Human GLUL, His-tagged

Cat. No. GLUL-13321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLUL protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-373a.a.
Description	This gene encodes a protein belonging to the GTP-binding superfamily and to the immuno-associated nucleotide (IAN) subfamily of nucleotide-binding proteins. In humans, the IAN subfamily genes are located in a cluster at 7q36.1.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	GLUL glutamate-ammonia ligase [Homo sapiens]
Official Symbol	GLUL
Synonyms	GLUL; glutamate-ammonia ligase; GLNS, glutamate ammonia ligase (glutamine synthase); glutamine synthetase; glutamine synthase; glutamate decarboxylase; glutamate--ammonia ligase; proliferation-inducing protein 43; cell proliferation-inducing protein 59; GS; GLNS; PIG43; PIG59;
Gene ID	2752
mRNA Refseq	NM_001033044
Protein Refseq	NP_001028216
MIM	138290
UniProt ID	P15104
Chromosome Location	1q31
Pathway	Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Amino acid synthesis and interconversion (transamination), organism-specific biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Astrocytic Glutamate-Glutamine Uptake And Metabolism, organism-specific biosystem; GABAergic synapse, organism-specific biosystem;

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Function	ATP binding; glutamate decarboxylase activity; glutamate-ammonia ligase activity; identical protein binding; ligase activity; lyase activity; nucleotide binding;

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