

Recombinant Human GLUD1, His-tagged

Cat. No. GLUD1-13319H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLUD1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	214-558a.a.
Description	This gene encodes a member of the gamma-glutamyl transpeptidase (GGT) family, which are important in the metabolism of glutathione. The most ubiquitously expressed human GGT gene, GGT1, encodes a single transmembrane polypeptide that is post-translationally processed to form a heavy and a light chain. In contrast, the product of this gene only contains homology to the light chain region, and lacks a transmembrane domain. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	GLUD1 glutamate dehydrogenase 1 [Homo sapiens]
Official Symbol	GLUD1
Synonyms	GLUD1; glutamate dehydrogenase 1; GLUD; glutamate dehydrogenase 1, mitochondrial; GDH; GDH 1; glutamate dehydrogenase (NAD(P)+); GDH1; MGC132003;
Gene ID	2746
mRNA Refseq	NM_005271
Protein Refseq	NP_005262
MIM	138130
UniProt ID	P00367
Chromosome Location	10q23.2
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; D-Glutamine and D-glutamate metabolism, organism-specific biosystem; D-Glutamine and D-glutamate metabolism, conserved biosystem;
Function	ADP binding; ATP binding; GTP binding; NAD+ binding; glutamate dehydrogenase (NAD+) activity; glutamate dehydrogenase [NAD(P)+] activity; glutamate dehydrogenase [NAD(P)+] activity; identical protein binding; leucine binding;

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