

## Recombinant Human GLUD2 cell lysate

Cat. No. GLUD2-716HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	Glutamate dehydrogenase (EC 1.4.1.3) catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate using NAD and/or NADP as cofactors. See also GLUD1 (MIM 138130).
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	GLUD2 glutamate dehydrogenase 2 [ Homo sapiens ]
<b>Official Symbol</b>	GLUD2
<b>Synonyms</b>	GLUD2; glutamate dehydrogenase 2; GLUDP1, glutamate dehydrogenase pseudogene 1; glutamate dehydrogenase 2, mitochondrial; GDH 2; glutamate dehydrogenase pseudogene 1; GDH2; GLUDP1;
<b>Gene ID</b>	2747

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<b>mRNA Refseq</b>	NM_012084
<b>Protein Refseq</b>	NP_036216
<b>MIM</b>	300144
<b>UniProt ID</b>	P49448
<b>Chromosome Location</b>	Xq24-q25
<b>Pathway</b>	Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved 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; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	ADP binding; GTP binding; glutamate dehydrogenase (NAD <sup>+</sup> ) activity; glutamate dehydrogenase [NAD(P) <sup>+</sup> ] activity; leucine binding; nucleotide binding; oxidoreductase activity;

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