

Recombinant Mouse Glud1 Protein, Myc/DDK-tagged

Cat. No. Glud1-3234M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glutamate dehydrogenase 1 (Glud1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mitochondrial glutamate dehydrogenase that converts L-glutamate into alpha-ketoglutarate. Plays a key role in glutamine anaplerosis by producing alpha-ketoglutarate, an important intermediate in the tricarboxylic acid cycle. Plays a role in insulin homeostasis. May be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate.
Molecular Mass	61.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Glud1 glutamate dehydrogenase 1 [Mus musculus (house mouse)]
Official Symbol	Glud1
Synonyms	GLUD1; glutamate dehydrogenase 1; glutamate dehydrogenase 1, mitochondrial; GDH 1; Glud; Gdh-X; Gludl; AI118167
Gene ID	14661
mRNA Refseq	NM_008133
Protein Refseq	NP_032159
UniProt ID	P26443

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