

Recombinant Human GLUD1 Protein (S54-T558), His tagged

Cat. No. GLUD1-0692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV- huGLUD1(S54-T558end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	S54-T558
Description	Mitochondrial glutamate dehydrogenase that catalyzes the conversion of 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.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

Shipping It is shipped out with blue ice.

GENE INFORMATION

Gene Name [GLUD1 glutamate dehydrogenase 1 \[Homo sapiens \(human\) \]](#)

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](#)

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