

L-Glutamate Dehydrogenase Active Protein | GLUD1 active protein

Glutamate Dehydrogenase (GLDH), Bovine Liver

CATALOG #
AAA44793

HOST
Bovine Liver

PRODUCT SYNONYMS

L-Glutamate Dehydrogenase; Glutamate Dehydrogenase (GLDH); Bovine Liver; NAD(P)+; GDH1; GDH; Glutamate dehydrogenase 1; mitochondrial; L-Glutamate:NAD(P)+ oxidoreductase; >20 U/mg protein; GLUD1 active protein

PRODUCT SPECIFICATIONS

Host	Bovine Liver
Form/Format	Lyophilized powder containing sodium citrate and mannitol
Appearance	Tan powder
Activity	≥ 38 units/mg solid
Unit Definition	One unit catalyzes the oxidation of one micromole of NADH and the reductive amination of one micromole of alpha-ketoglutarate per minute at 37°C and pH 7.95 in the presence of ADP.
Protein	> 0.56mg protein/mg (Coomassie)
Specific Activity	>68 U/mg protein
Solubility	Clear, tan solution, small particulates may be present (10mg/mL, Saline)
Contaminants	GOT: < 1.6% GPT: < 3.5% Ammonia: < 0.01 micromole/mg
CAS Number	9029-12-3
E.C. Number	1.4.1.3
Preparation and Storage	Ships on blue ice. Store at -20°C. Protect from moisture.

ADDITIONAL INFORMATION

Related Product Information for GLUD1 active protein	AAA Biotech is the leading producer of L-Glutamic Dehydrogenase (GLDH) and other animal enzymes for clinical research and bulk for manufacturing of liver function tests. Technical support, bulk quantities and aliquoting available. GLDH is an enzyme, present in mitochondria of eukaryotes, as are some of the other enzymes required for urea synthesis, that converts glutamate to alpha-Ketoglutarate, and vice-versa.
Product Categories/Family for GLUD1 active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Glutamate Dehydrogenase (l-gldh)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2136759
NCBI GeneID	281785

UniProt Accession #	P00366 ; Q3SYY0 ; Q7YS29 ; Q8HZ49
NCBI Official Full Name	glutamate dehydrogenase - bovine
NCBI Official Synonym Full Names	glutamate dehydrogenase 1
NCBI Official Symbol	GLUD1
NCBI Official Synonym Symbols	GDH
NCBI Protein Information	glutamate dehydrogenase 1, mitochondrial; GDH 1
UniProt Protein Name	Glutamate dehydrogenase 1, mitochondrial
UniProt Gene Name	GLUD1
UniProt Synonym Gene Names	GLUD; GDH 1
UniProt Entry Name	DHE3_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/bovine-glud1-active-protein/l-glutamate-dehydrogenase/44793>