

Glutamate Dehydrogenase 1 Human Recombinant

Item Number	rAP-1045
Synonyms	Glutamate Dehydrogenase 1, GLUD, GDH 1, EC 1.4.1.3, GDH, GDH1, Glutamate Dehydrogenase (NAD (P)+), Glutamate Dehydrogenase 1 Mitochondrial, EC 1.4.1, GLUD1.
Description	GLUD1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 528 amino acids (54-558) and having a molecular mass of 58.4kDa. GLUD1 is fused to a 23 amino acid His-tag at N-terminus.
Uniprot Accession Number	P00367
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSSEAVADR EDDPNFFKMV EGFFDRGASI VEDKLVEDLR TRESEEQKRN RVRGILRIK PCNHVLSLSF PIRRDDGSWE VIEGYRAQHS QHRTPCKGGI RYSTDVSVDE VKALASLMTY KCAVVDVPFG GAKAGVKINP KNYTDNELEK ITRRFTMELA KKGFIGPGID VPAPDMSTGE REMSWIADTY ASTIGHYDIN AHACVTGKPI SQGGIHGRIS ATGRGVFHGI ENFINEASYM SILGMTPGFG DKTFVVQGF NVGLHSMRYL HRFGAKCIAV GESDGSINWP DGIDPKELED FKLQHG- SILG FPKAKPYEGS ILEADCILI PAASEKQLTK SNAPRVKAKI IAEGANGPTT PEADKIFLER NIMVIPDLYL NAGGVTVSFY EWLKLNHVS YGRLTFKYER DSNYHLLMSV QESLERKFGK HGGTIPIVPT AEFQDRISGA SEKDIVHSL AYTMERSARQ IMRTAMKYNL GLDLRTAAYV NAIEKVFVKVY
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The GLUD1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**