Recombinant Human GLUD1 Protein (Asp334-Thr556), His tagged

Cat. No. GLUD1-3345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLUD1 (Asp334-Thr556) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp334-Thr556
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. May be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate.
Molecular Mass	24.82 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

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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