

Recombinant Human GLUD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GLUD2-444H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLUD2 MS Standard C13 and N15-labeled recombinant protein (NP_036216) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is localized to the mitochondrion and acts as a homohexamer to recycle glutamate during neurotransmission. The encoded enzyme catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate. This gene is intronless.
Molecular Mass	61.4 kDa
AA Sequence	MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAAASQPGLALAARRHYSEL VADREDDPNFFKMVEGFFDRGASIVEDKLVKDLRTQESEEQKRNRVRGILRIIKPCN HVLSSLFPIRRDDGSWEVIEGYRAQHSQHRTPCGGIRYSTDVSVDEVKALASLMTY KCAVVDVPFGGAKAGVKINPKNYTENELEKITRRFTMELAKKGFIPGVDVPAPDMN TGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHGRISATGRGVFHHGIENFIN EASYMSILGMTPGFRDKTFVVQGFQGNVGLHSMRYLHRFGAKCIAVGESDGSINPD GIDPKELEDFKLQHGSILGFPAKPYEGSILEVDCDILIPAATEKQLTKSNAPRVKAKII AEGANGPTTPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLKLNHVSYGRLTFKYE RDSNYHLLLSVQESLERKFGKHGGTIPIVPTAEFQDSISGASEKDIVHSALAYTMERS

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ARQIMHTAMKYNLGLDLRTAAYVNAIEKVFVKVYSEAGVTFTTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GLUD2 glutamate dehydrogenase 2 [Homo sapiens (human)]
Official Symbol	GLUD2
Synonyms	GLUD2; glutamate dehydrogenase 2; GLUDP1, glutamate dehydrogenase pseudogene 1; glutamate dehydrogenase 2, mitochondrial; GDH 2; glutamate dehydrogenase pseudogene 1; GDH2; GLUDP1
Gene ID	2747
mRNA Refseq	NM_012084
Protein Refseq	NP_036216
MIM	300144

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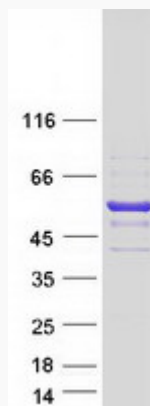
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UniProt ID

P49448

SDS-PAGE

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