

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GLUD2 MS Standard C13 and N15-labeled recombinant protein (NP_036216) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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.                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 61.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAAASQPGLALAARRHYSEL<br>VADREDDPNFFKMVEGFFDRGASIVEDKLVKDLRTQESEEQKRNRVRGILRIIKPCN<br>HVLSSLFPIRRDDGSWEVIEGYRAQHSQHRTPCGGIRYSTDVSVDEVKALASLMTY<br>KCAVVDVPFGGAKAGVKINPKNYTENELEKITRRFTMELAKKGFIPGVDVPAPDMN<br>TGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHGRISATGRGVFHHGIENFIN<br>EASYMSILGMTPGFRDKTFVVQGFQGNVGLHSMRYLHRFGAKCIAVGESDGSINPD<br>GIDPKELEDFKLQHGSILGFPAKPYEGSILEVDCDILIPAATEKQLTKSNAPRVKAKII<br>AEGANGPTTPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLKLNHVSYGRLTFKYE<br>RDSNYHLLLSVQESLERKFGKHGGTIPIVPTAEFQDSISGASEKDIVHSALAYTMERS |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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

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

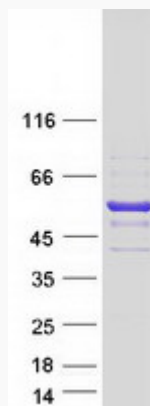
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

UniProt ID

P49448

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA