

Recombinant Full Length Human GLUD2 Protein, GST-tagged

Cat. No. GLUD2-6940HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length GLUD2(1 a.a. - 558 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	558 amino acids
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	87.8 kDa
AA Sequence	MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAAASQPGLALAARRHYSEL VADREDDPNFFKMVEGFFD RGASIVEDKLVKDLRTQESEEQKRNRVRGILRIIKPCN HVLSSLFPPIRRDDGSWEVIEGYRAQHSQHRTPCGGI RYSTDVSVDEVKALASLMT YKCAVVDVPFGGAKAGVKINPKNYTENELEKITRRFTMELAKKGFIPGVDVPAPD MNTGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHGRISATGRGVFHGIENF INEASYMSILGMTPGFR DKTFVVQGFNGVGLHSMRYLHRFGAKCIAVGESDGSIWN PDGIDPKELEDFKLQHGHSILGFPAKAPYEGSILEVD CDILIPAATEKQLTKSNAPRVKA KIIAEGANGPTTPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLKNLNHVS YGRLTFK YERDSNYHLLSVQESLERKFGKHGGTIPIVPTAEFQDSISGASEKDIVHSALAYTME

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RSARQIMHTA MKYNLGLDLRTAAYVNAIEKVKVYSEAGVTFT

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GLUD2 glutamate dehydrogenase 2 \[Homo sapiens \]](#)

Official Symbol [GLUD2](#)

Synonyms GLUD2; glutamate dehydrogenase 2; GLUDP1, glutamate dehydrogenase pseudogene 1; glutamate dehydrogenase 2, mitochondrial

Gene ID [2747](#)

mRNA Refseq [NM_012084](#)

Protein Refseq [NP_036216](#)

MIM [300144](#)

UniProt ID [P49448](#)

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