

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
Protein Length	558 amino acids
Description	The protein encoded by this gene is localized to the mitochondrion and acts as a homo-hexamer 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	<p>MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAAASQPGLALAARRHYSEL VADREDDPNFFKMVEGFFD RGASIVEDKLVKDLRTQESEEQKRNRVRGILRIIKPCN HVL SLSFPIRRDDGSWEVIEGYRAQHSQHRTPCGGI RYSTDVSVDEVKALASLMT YKCAVVDVPPGGAKAGVKINPKNYTENELEKITRRFTMELAKKGFIPGVDVPAPD MNTGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHGRISATGRGVFHGIENF INEASYMSILGMTPGFR DKTFVVQGFVGLHSMRYLHRFGAKCIAVGESDGSIWV PDGIDPKELEDFKLQHGSI LGFPKAKPYEGSILEVD CDILIPAATEKQLTKSNAPRVKA KIIAEGANGPTTPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLKLNHVS YGRLTFK YERDSNYHLLLSVQESLERKFGKHGGTIPIVPTAEFQDSISGASEKDIVHSALAYTME</p>

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RSARQIMHTA MKYNLGLDLRТААYVNAIEKVKVYSEAGVTFT

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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