

# Recombinant Full Length Human GLUD2 Protein, GST-tagged

**Cat. No.** GLUD2-6941HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human full-length GLUD2(1 a.a. - 264 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 558 amino acids                                                                                                                                                                                                                                                                             |
| <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>   | 54.78 kDa                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MTPGFRDKTFVVQGFGNVGLHSMRYLHRFGAKCIAVGESDGSIWNPDGIDPKELED<br>FKLQHGSILGFPAKPYEG SILEVDCDILIPAATEKQLTKSNAPRVKAKIIAEGANGPT<br>TPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLK NLNHVSYGRLTFFKYERDSNYHLL<br>LSVQESLERKFGKHGGTIPIVPTAEFQDSISGASEKDIVHSALAYTMERSAR QIMHTA<br>MKYNLGLDLRTAAYVNAIEKVFKVYSEAGVTFT |
| <b>Applications</b>     | ELISA; WB-Re; AP; Array                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                    |

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**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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