

# 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>	MTPGFRDKTFVVQGFNGVGLHSMRYLHRFGAKCIAVGESDGSIWNPDGIDPKELED FKLQHGSILGFPAKPYEG SILEVDCDILIPAATEKQLTKSNAPRVKAKIIAEGANGPT TPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLK NLNHVSYGRLLTFKYERDSNYHLL LSVQESLERKFGKHGGTIPIVPTAEFQDSISGASEKDIVHSALAYTMERSAR QIMHTA MKYNLGLDLRTAAYVNAIEKVKVYSEAGVTFT
<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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