

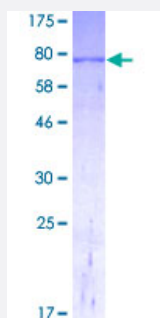
Full-Length

GLUD2 (Human) Recombinant Protein (P01)

Catalog # H00002747-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLUD2 full-length ORF (NP_036216.2, 1 a.a. - 558 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAAASQPGLALAARRHYSELVADREDD
PNFFKMVEGFFDRGASIVEDKLVKDLRTQSEEEQKRNRVRGILRIKPCNHVLSLSFPIRRDDGSW
EVIEGYRAQHSQHRTPCCKGGIRYSTDVSDEVKALASLMTYKCAVVDVPFGGAKAGVKINPKNYT
ENELEKITRRFTMELAKKGFIPGVDVPAPDMNTGEREMSWIADTYASTIGHYDINAHACVTGKPIS
QGGIHGRISATGRGVFHGIENFINEASYMSILGMTPGFRDKTFVVQGFQGNVGLHSMRYLHRFGAKCI
AVGESDGSWNPDGIDPKELEDFKLQHGSLGFPKAKPYEGSILEVDCDILIPAATEKQLTKSNAPR
VKAKIAEGANGPTTPEADKIFLERNILVIPDLYLNAGGVTVSYFEWLKNLNHVSYGRLTFKYERDSN
YHLLLSVQESLERKFGKHGGTIPMTAEFQDSISGASEKDIVHSALAYTMERSARQIMHTAMKYNL
GLDLRTAAAYVNAIEKVFKVYSEAGVTFT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.8

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GLUD2

Entrez GeneID[2747](#)**GeneBank Accession#**[NM_012084.3](#)**Protein Accession#**[NP_036216.2](#)**Gene Name**

GLUD2

Gene Alias

GDH2, GLUDP1

Gene Description

glutamate dehydrogenase 2

Omim ID[300144](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Glutamate dehydrogenase (EC 1.4.1.3) catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate using NAD and/or NADP as cofactors. See also GLUD1 (MIM 138130).[supplied by OMIM]

Other Designations

glutamate dehydrogenase pseudogene 1

Pathway

- [Alanine](#)

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [D-Glutamine and D-glutamate metabolism](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)

Disease

- [Cognition](#)
- [Parkinson Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)