

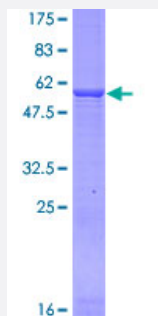
Full-Length

GLUD2 (Human) Recombinant Protein (P02)

Catalog # H00002747-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLUD2 full-length ORF (AAH05111.1, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTPGFRDKTFVVQGFQGNVGLHSMRYLHRFGAKCIAVGESDGSWNPDGIDPKELEDFKLQHGSIL
GFPKAKPYEGSILEVDCDILIPAATEKQLTKSNAPRVKAKIAEGANGPTTPEADKIFLERNILVIPDLY
LNAGGVTVSYFEWLKLNHVSYGRLTFKYERDSNYHLLSVQESLERKFGKHGGTIPVPTAEFQD
SISGASEKDIVHSALAYTMERSARQIMHTAMKYNLGLDLRTAAVYNAIEKVFKVYSEAGVTFT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.78

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#	BC005111.1
Protein Accession#	AAH05111.1
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](#)