

Product datasheet for **TP308737M**

GLUD2 (NM_012084) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutamate dehydrogenase 2 (GLUD2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208737 protein sequence Red=Cloning site Green=Tags(s)

MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAAASQPGLALAARRHYSELVADREDDPNFFKMV
EGFFDRGASIVEDKLVKDLRTQESEEQRNRVRGILRIIKPCNHVLSLSFPIRRDDGSWEVIEGYRAQHS
QHRTPCKGGIRYSTDVSVDEVKALASLMTYKCAVVDVPPGGAKAGVKINPKNYTENELEKITRRFTMELA
KKGFIGPGVDVPAPDMNTGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHGRISATGRGVFHGI
ENFINEASYMSILGMTPGFRDKTFVQGGFNVGLHSMRYLHRFGAKCIAVGESDGSIWNPDGIDPKELED
FKLQHGSILGFPKAKPYEGSILEVDCDILIPAATEKQLTKSNAPRVKAKIAEGANGPTTPEADKIFLER
NILVIPDLYLNAGGVTVSYFEWLKLNHNVSYGRLTFKYERDSNYHLLLSVQESLERKFGKHGGTIPVPT
AEFQDSISGASEKDIVHSALAYTMERSARQIMHTAMKYNLGLDLRTAAYVNAIEKVFVKYSEAGVTFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	56 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_036216](#)

Locus ID: 2747

UniProt ID: [P49448](#), [A0A140VK14](#)

RefSeq Size: 2348

Cytogenetics: Xq24

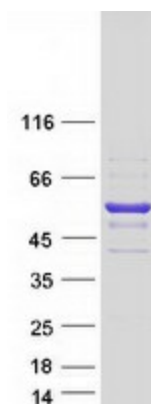
RefSeq ORF: 1674

Synonyms: GDH2; GLUDP1

Summary: 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.[provided by RefSeq, Jan 2010]

Protein Pathways: Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, D-Glutamine and D-glutamate metabolism, Metabolic pathways, Nitrogen metabolism

Product images:



Coomassie blue staining of purified GLUD2 protein (Cat# [TP308737]). The protein was produced from HEK293T cells transfected with GLUD2 cDNA clone (Cat# [RC208737]) using MegaTran 2.0 (Cat# [TT210002]).