

Product Information

MemDX™ Membrane Protein Human GLUD2 (Glutamate dehydrogenase 2, 1 a.a. - 264 a.a.) for Antibody Discovery

Cat. No.: **MP0419X**

This product is for research use only and is not intended for diagnostic use.

This product is a 54.78 kDa Human GLUD2 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GLUD2

Protein Length

Full-length

Molecular Weight

54.78 kDa

Sequence

MTPGFRDKTFVVQGFQGNVGLHSMRYLHRFGAKCIAVGESDGSIWNPDGIDPKELEDFKLQHGHSILGFPKAKPYEGSILEVDCDILIPA

Product Description

Application

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

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

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

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

GLUD2

Full Name

Glutamate dehydrogenase 2

Introduction

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

Alternative Names

GDH2; GLUDP1

Gene ID

[2747](#)

UniProt ID

[P49448](#)