

GLUD2 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20104a**Specification**

GLUD2 Blocking Peptide (N-term) - Product Information

Primary Accession [P49448](#)
Other Accession [NP_036216.2](#)

GLUD2 Blocking Peptide (N-term) - Additional Information

Gene ID 2747

Other Names

Glutamate dehydrogenase 2, mitochondrial, GDH 2, GLUD2, GLUDP1

Target/Specificity

The synthetic peptide sequence is selected from aa 90-103 of HUMAN GLUD2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GLUD2 Blocking Peptide (N-term) - Protein Information

Name GLUD2

Synonyms GLUDP1

Function

Important for recycling the chief excitatory neurotransmitter, glutamate, during neurotransmission.

Cellular Location

Mitochondrion matrix

Tissue Location

Expressed in retina, testis and, at a lower level, brain

GLUD2 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GLUD2 Blocking Peptide (N-term) - Images

GLUD2 Blocking Peptide (N-term) - Background

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.

GLUD2 Blocking Peptide (N-term) - References

Spanaki, C., et al. J. Biol. Chem. 285(22):16748-16756(2010)
Plaitakis, A., et al. Eur. J. Hum. Genet. 18(3):336-341(2010)
Zaganas, I., et al. Neurochem. Int. 55 (1-3), 52-63 (2009) :
Mastorodemos, V., et al. Biochem. Cell Biol. 87(3):505-516(2009)
Kanavouras, K., et al. J. Neurochem. 109 SUPPL 1, 167-173 (2009) :