

DAO Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21416c

Specification

DAO Blocking Peptide (Center) - Product Information

Primary Accession [P14920](#)

DAO Blocking Peptide (Center) - Additional Information

Gene ID 1610

Other Names

D-amino-acid oxidase, DAAO, DAMOX, DAO, DAO, DAMOX

Target/Specificity

The synthetic peptide sequence is selected from aa 216-228 of HUMAN DAO

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.

DAO Blocking Peptide (Center) - Protein Information

Name DAO

Synonyms DAMOX

Function

Regulates the level of the neuromodulator D-serine in the brain. Has high activity towards D-DOPA and contributes to dopamine synthesis. Could act as a detoxifying agent which removes D-amino acids accumulated during aging. Acts on a variety of D-amino acids with a preference for those having small hydrophobic side chains followed by those bearing polar, aromatic, and basic groups. Does not act on acidic amino acids.

Cellular Location

Peroxisome.

DAO Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

DAO Blocking Peptide (Center) - Images

DAO Blocking Peptide (Center) - Background

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DAO Blocking Peptide (Center) - References

Momoi K.,et al.FEBS Lett. 238:180-184(1988).
Momoi K.,et al.Submitted (SEP-1990) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Fukui K.,et al.J. Biol. Chem. 267:18631-18638(1992).