

TM2D1 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP5380a

Specification

TM2D1 Blocking Peptide (N-term) - Product Information

Primary Accession

[O9BX74](#)

Other Accession

[NP_114416.1](#)**TM2D1 Blocking Peptide (N-term) - Additional Information****Gene ID** 83941**Other Names**

TM2 domain-containing protein 1, Beta-amyloid-binding protein, hBBP, TM2D1, BBP

Target/Specificity

The synthetic peptide sequence is selected from aa 59-72 of HUMAN TM2D1

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.

TM2D1 Blocking Peptide (N-term) - Protein Information**Name** TM2D1**Synonyms** BBP**Function**

May participate in amyloid-beta-induced apoptosis via its interaction with beta-APP42.

Cellular Location

Membrane; Multi-pass membrane protein

Tissue Location

Widely expressed..

TM2D1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

TM2D1 Blocking Peptide (N-term) - Images

TM2D1 Blocking Peptide (N-term) - Background

The protein encoded by this gene is a beta-amyloid peptide-binding protein. It contains a structural module related to that of the seven transmembrane domain G protein-coupled receptor superfamily and known to be important in heterotrimeric G protein activation. Beta-amyloid peptide has been established to be a causative factor in neuron death and the consequent diminution of cognitive abilities observed in Alzheimer's disease. This protein may be a target of neurotoxic beta-amyloid peptide, and may mediate cellular vulnerability to beta-amyloid peptide toxicity through a G protein-regulated program of cell death.

TM2D1 Blocking Peptide (N-term) - References

Cam, J.A., et al. J. Biol. Chem. 279(28):29639-29646(2004)
Lee, Y., et al. J. Neurosci. Res. 73(2):255-259(2003)
Kirfel, G., et al. Eur. J. Cell Biol. 81(12):664-676(2002)
Kajkowski, E.M., et al. J. Biol. Chem. 276(22):18748-18756(2001)