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TM2D1 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP5380a

Specification

TM2D1 Blocking Peptide (N-term) - Product Information

Primary Accession	Q9BX74
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

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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)