MOP3 (Members of PAS Superfamily, BMAL1, Brain and Muscle ARNT-Like 1, JAP3, PAS3, CYCLE) Control Peptide (KLH) Peptide – Synthetic Peptide, Highly PurifiedHighly purified (HPLC, MS) Purity

PRODUCT OVERVIEW

Product Name	MOP3, Peptide
Full Product Name	MOP3 (Members of PAS Superfamily, BMAL1, Brain And Muscle ARNT-like 1, JAP3, PAS3, CYCLE) Control Peptide (KLH)
Product Synonym Names	MOP3 (Members of PAS Superfamily, BMAL1, Brain And Muscle ARNT-like 1, JAP3, PAS3, CYCLE) Control Peptide (KLH)
Species Reactivity	Human, Rodent
Form/Format	Supplied as a lyophilized powder. No preservative added.
Purity/Purification	Highly Purified Highly purified (HPLC, MS)
Specificity	Recognizes MOP3. Species Crossreactivity: Human and rodent.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Sequence (linear)	SVKVEDKDFPSTCSKK MOP3 (BMAL1), a general dimerization partner for a subset of the bHLH-PAS (basic-helix-loop-helix-PER-ARNT-SIM) superfamily of transcription regulators, is involved in circadian rhythm generation. MOP3 interacts with MOP4, CLOCK, hypoxia-inducible factor-1 alpha and -2 alpha. This interaction appears to be distinct from that of the more characterized general partner, ARNT (HIF-1 beta).
Product Categories/Family for MOP3 peptide	Molecular Biology; MB-Transcription Factors
Applications Tested/Suitable for MOP3 peptide	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)
Application Notes for MOP3 peptide	Suitable for use in ELISA, Western Blotting, Immunoprecipitation, Immunohistochemistry and Immunocytochemistry.
Related Product Information for MOP3 peptide	MBS658779 is a peptide targeting MOP3. Also known as MOP3 (Members of PAS Superfamily, BMAL1, Brain And Muscle ARNT-like 1, JAP3, PAS3, CYCLE) Control Peptide (KLH). Reactive in Human, Rodent.
Other Notes	Small volumes of MOP3 peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MOP3. It may not necessarily be applicable to this product.

NCBI GI #	34596268
NCBI Accession #	AAQ76814.1
NCBI Official Full Name	MOP3
Protein Family	Protein cycle

UniProt Comments for MOP3	SBNO1: Belongs to the SBNO family. 4 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 12q24.31 Biological Process: regulation of transcription, DNA-dependent
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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