BTN2A1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	BTN2A1, Blocking Peptide
Full Product Name	BTN2A1 Peptide - N-terminal region
Product Gene Name	BTN2A1 blocking peptide
Product Synonym Gene Name	BK14H9.1; BT2.1; BTF1; DJ3E1.1; FLJ36567
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	BTN2A1 peptide (MBS3233305) is used for blocking the activity of BTN2A1 antibody (MBS3208343)
Molecular Weight	57kDa
OMIM	613590
Product Categories/Family for BTN2A1 blocking peptide	Peptide
Applications Tested/Suitable for BTN2A1 blocking peptide	Western Blot (WB)
Related Product Information for BTN2A1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-BTN2A1 antibody made Target Description: The specific functin of this protein remains unknown.This gene is a member of the BTN2 subfamily of genes, which encode proteins belonging to the butyrophilin protein family. The gene is located in a cluster on chromosome 6, consisting of seven genes belonging to the expanding B7/butyrophilin-like group, a subset of the immunoglobulin gene superfamily. The encoded protein is an integral plasma membrane B box protein involved in lipid, fatty-acid and sterol metabolism.
Other Notes	Small volumes of BTN2A1 blocking 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.
Searchable Terms for BTN2A1 purchase	MBS3233305 is a blocking peptide targeting BTN2A1. Also known as BTN2A1 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BTN2A1. It may not necessarily be applicable to this product.

NCBI GI #	5921461
NCBI GeneID	11120
NCBI Accession #	NP_008980
UniProt Primary Accession #	Q7KYR7
UniProt Related Accession #	Q7KYR7
GenBank Nucleotide #	NM_007049
NCBI Official Full Name	butyrophilin subfamily 2 member A1 isoform 1
NCBI Official Synonym Full Names	butyrophilin subfamily 2 member A1

NCBI Official Symbol	BTN2A1
NCBI Official Synonym Symbols	BTF1; BT2.1; BTN2.1; DJ3E1.1; BK14H9.1
UniProt Protein Name	Butyrophilin subfamily 2 member A1
Protein Family	Butyrophilin subfamily
UniProt Gene Name	BTN2A1
UniProt Synonym Gene Names	BT2.1; BTF1
UniProt Entry Name	BT2A1_HUMAN
NCBI Protein Information	butyrophilin subfamily 2 member A1
NCBI Summary for BTN2A1	This gene encodes a member of the immunoglobulin superfamily. The gene is located in a cluster of butyrophilin-like genes in the juxta-telomeric region of the major histocompatibility complex on chromosome 6. A pseudogene of this gene has been identified in this cluster. The encoded protein is an integral plasma membrane protein involved in lipid, fatty-acid, and sterol metabolism. Alterations in this gene may be associated with several disease states including metabolic syndrome. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]
Research Articles on BTN2A1	**1.** A comparison of the allele frequencies or genotype distributions by the chi2 test revealed that rs6929846 of BTN2A1 was significantly associated with dyslipidemia.
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