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Product Information

MemDX™ Membrane Protein Human BTN2A1 (Butyrophilin subfamily 2 member A1) for Antibody Discovery

Cat. No.: **MP0796J**
This product is for research use only and is not intended for diagnostic use.

This product is a 34.9 kDa Human BTN2A1 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
BTN2A1

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
34.9 kDa

TMD
1

Sequence
MESAAALHFSRPASLLLLLLSLCALVSAQFIVVGPTDPILATVGENTTLRCHLSPEKNAEDMEVRWFRSQ
FSPAVFVYKGGRERTEEQMEEYRGRTTFVSKDISRGSVALVIHNITAQENGTYRCYFQEGRSYDEAILHL
VVAGLGSKPLISMRGHEDGGIRLECISRGWYPKPLTVWRDPYGGVAPALKEVSMPDADGLFMVTTAVIIR
DKSVRNMSCSINNTLLGQKKESVIFIPESFMPSVSPCAVALPIIVVILMIPIAVCIYWINKLQKEKKILS
GEKEFERETREIALKELEKERVQKEEELQVKEKLQEELRWRRTFLHAELQFFSN

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

BTN2A1

Full Name

Butyrophilin subfamily 2 member A1

Introduction

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.

Alternative Names

BTF1; BT2.1; BTN2.1; DJ3E1.1; BK14H9.1

Gene ID

11120

UniProt ID

Q7KYR7