

Product Information

MemDX™ Membrane Protein Human BTN1A1 (Butyrophilin subfamily 1 member A1) for Antibody Discovery

Cat. No.: **MP0121X**

This product is for research use only and is not intended for diagnostic use.

This product is a 85.4 kDa Human BTN1A1 membrane protein expressed in *in vitro* wheat germ expression system. 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

BTN1A1

Protein Length

Full-length

Molecular Weight

85.4 kDa

TMD

1

Sequence

MAVFPSSGLPRCLLTLLQLPKLDSAPFDVIGPPEPILAVVGEDAELPCRLSPNASAEHLELRWFRKKVSPAVLVHRDGREQEAQ

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

BTN1A1

Full Name

Butyrophilin subfamily 1 member A1

Introduction

Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families

Alternative Names

BT; BTN; OTTHUMP00000017981; bK14H9.2 (butyrophilin, subfamily 1, member A1)

Gene ID

[696](#)

UniProt ID

[Q13410](#)