

Product Information

MemDX™ Membrane Protein Human BTN3A1 (Butyrophilin subfamily 3 member A1) for Antibody Discovery

Cat. No.: **MP0726J**

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

This product is a 57.5 kDa Human BTN3A1 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

BTN3A1

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

57.5 kDa

TMD

1

Sequence

MKMASFLAFLLNFRVCLLLQLLMPHSAQFSVLGPGPILAMVGEDADLPCHLFPTMSAETMELKWSS
SLRQVVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRIHNTASDSGKYLGYFQDGDFYEKALVE
LKVAALGSDLHVDVKGYKDGGIHLERCRSTGWPQPQIQWSNNKGENIPTVEAPVVADGVGLYAVAASVIM
RGSSGEGVSCTIRSSLGLEKTASISIADPFFRSAQRWIAALAGTLPVLLLLGGAGYFLWQQQEEKKTQ
FRKKKREQELREMAWSTMKQEQRSTVKLLEELRWRSIQYASRGERHSAYNEWKKALFKPADVILDPKTAN
PILLVSEDQRSVQRAKEPQDLPDNPERFNWHYCVLGCESFISGRHYWEVEVGDRKEWHIGVCSKNVQRKG
WVKMTPENGFWTMGLTDGNKYRTLTEPRTNLKLPKTPKKVGVFLDYETGDISFYNAVDGSHIHTFLDVSF
SEALYPVFRILTLEPTALTICPA

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

BTN3A1

Full Name

Butyrophilin subfamily 3 member A1

Introduction

The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin (Ig) domains and an intracellular B30.2 (PRYSPRY) domain. Three subfamilies of human BTN genes are located in the MHC class I region: the single-copy BTN1A1 gene (MIM 601610) and the BTN2 (e.g., BTN2A1; MIM 613590) and BTN3 (e.g., BNT3A1) genes, which have undergone tandem duplication, resulting in 3 copies of each.

Alternative Names

BT5; BT3.1; CD277; BTN3.1

Gene ID

[11119](#)

UniProt ID

[Q00481](#)