

Product Information

MemDX™ Membrane Protein Human BTN3A1 (Butyrophilin subfamily 3 member A1) Full Length

Cat. No.: **MPC4205K**

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

This product is a made-to-order Human BTN3A1 membrane protein expressed in HEK293. 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

Immunity

TMD

1

Sequence

MKMASFLAFLLLNFRVCLLLLQLLMPHSAQFSVLGPSPILAMVGEDADL
PCHLFPTMSAETMELKWVSSSLRQVVNVYADGKEVEDRQSAPYRGRTSIL
RDGITAGKAAALRIHNVTASDSGKYLCYFQDGDIFYEKALVELKVAALGSDL
HVDVKGYKDGGIHLERSTGWYPQPQIQWSNNKGENIPTVEAPVVADGVG
LYAVAASVIMRGSSGEGVSTIRSSLLGLEKTASISADPFFRSAQRWIA
ALAGTLPVLLLLLGGAGYFLWQQQEEKKTQFRKKKREQELREMAWSTMKQ
EQSTRVKLLEELRWRSIQYASRGERHSAYNEWKKALFKPADVILDPKTAN
PILLVSEDQRSVQRAKEPQDLDPNPERFNWHYCVLGCEFSISGRHYWEVE
VGDRKEWHIGVCSKNVQRKGWVKMTPENGFWTMGLTDGNKYRTLTEPRTN
LKLKPPKKVGVFLDYETGDISFYNAVDGSHIHTFLDVSFSEALYPVFRI
LTLEPTALTICPA

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

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

BTN3A1; BTF5; BT3.1; CD277; BTN3.1; dJ45P21.3 (butyrophilin, subfamily 3, member A1); Butyrophilin subfamily 3 member A1

Gene ID

[11119](#)

UniProt ID

[O00481](#)