

Product Information

MemDX™ Membrane Protein Human BTN2A1 (Butyrophilin subfamily 2 member A1) Full Length

Cat. No.: **MPC4319K**

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

This product is a made-to-order Human BTN2A1 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

BTN2A1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MESAAALHFSRPASLLLLLLSLCALVSAQFIVVGPTDPILATVGENTTLR
CHLSPEKNAEDMEVRWFRSQFSPAVFVYKGGREERTEEQMEEYRGRTTFVS
KDISRGSVALVIHNITAEQNGTYRCYFQEGRSYDEAILHLVAVGLGSKPL
ISMRGHEDGGIRLECISRGWYPKPLTVWRDPYGGVAPALKEVSMPPADGL
FMVTTAVIIRDKSVRNMSCSINNTLLGQKKESVIFIPESFMPSVSPCAVA
LPIIVVILMIPIAVCIYWINKLQKEKKILSGEKEFERETREIALKELEKE
RVQKEEELQVKEKLQEELRWRRTFLHAVDVVLDPDTAHPDLFLSEDRRSV
RRCPFRLHGESVPDNPERFDSQPCVLGRESFASGKHYYEVEVENVIEWTV
GVCRDSVERKGEVLLIPQNGFWTLEMHKGQYRAVSSPDRILPLKESLCRV
GVFLDYEAGDVSFYNMRRDRSHIYTCPRSAFSVPVRPFFRLGCEDSPIFIC
PALTGANGVTVP EEGTLHRVGTHQSL

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**

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

BTN2A1; BTF1; BT2.1; BTN2.1; DJ3E1.1; BK14H9.1; Butyrophilin subfamily 2 member A1

Gene ID

[11120](#)

UniProt ID

[Q7KYR7](#)