

Product Information

MemDX™ Membrane Protein Human BTN2A2 (Butyrophilin subfamily 2 member A2) Full Length

Cat. No.: **MPC4541K**

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

This product is a made-to-order Human BTN2A2 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

BTN2A2

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MEPAAALHFSLPASLLLLLLLLLLLLSLCALVSAQFTVVGPANPILAMVGEN
TTLRCHLSPEKNAEDMEVRWFRSQFSPAVFVYKGGREERTEEQMEEYRGRI
TFVSKDINRGVALVIHNVT AQENGIYRCYFQEGRSYDEAILRLVVAGLG
SKPLIEIKAQEDGSIWLECISSGGWYPEPLTVWRDPYGEVVPALKEVSIAD
ADGLFMVTTAVIIRDKYVRNVSCSVNNTLLGQEKETVIFIPESFMPSASP
WMVALAVILTASPWMVSM TVILAVFIIFMAVSICIKKLQREKKILSGEK
KVEQEEKEIAQQLQEELRWRRTFLHAADVVLDPDTAHPFLFLSEDRRSVR
RGPYRQRPDPNPERFDSQPCVLGWESFASGKH YWEVEVENVMVWTVGVCR
HSVERKGEVLLIPQNGFWTLEMFGNQYRALSSPERILPLKESLCRVGVFL
DYEAGDV SFYNMRDRSHIYTCPRSAFTVPVRPF FRLGSDDSPIFICPALT
GASGVMVPEEGLKLHRVGTHQSL

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**

BTN2A2

Full Name

Butyrophilin subfamily 2 member A2

Introduction

Butyrophilin is the major protein associated with fat droplets in the milk. This gene is a member of the BTN2 subfamily of genes, which encode proteins belonging to the butyrophilin protein family. The gene is located in a cluster on chromosome 6, consisting of seven genes belonging to the expanding B7/butyrophilin-like group, a subset of the immunoglobulin gene superfamily. The encoded protein is a type I receptor glycoprotein involved in lipid, fatty-acid and sterol metabolism. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

BTN2A2; BTF2; BT2.2; BTN2.2; butyrophilin 2; Butyrophilin subfamily 2 member A2

Gene ID

[10385](#)

UniProt ID

[Q8WVV5](#)