

# Product Information

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

### Expressed in HEK293 for Antibody Discovery, Partial (33-237aa)

Cat. No.: **MPX0830K**

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

This product is a 50 kDa 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

Partial (33-237aa)

#### Protein Class

Receptor

#### Molecular Weight

50 kDa

#### TMD

1

#### Sequence

QFTVVGPANPILAMVGEN  
TTLRCHLSPEKNAEDMEVRWFRSQFSPA VFVYKGGREERTEEQMEEYRGRI  
TFVSKDINRG SVALVIHNVTAQENGIYRCYFQEGRSYDEAILRLVVAGLG  
SKPLIEIKAQEDGSIWLECISSGGWYPEPLTVWRDPYGEVVPALKEVSIAD  
ADGLFMVTTAVIIRDKYVRNVSCSVNNTLLGQEKETV

### Product Description

#### Activity

Yes

#### Expression Systems

HEK293

#### Tag

hIgG1 Fc tag at the C-terminus

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 100 µg/mL in PBS.

**Endotoxin**

<0.10 EU per 1 µg of the protein by the LAL method.

**Purity**

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

**Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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](#)