

Recombinant Human BTN2A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BTN2A1-6218H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

BTN2A1 MS Standard C13 and N15-labeled recombinant protein (NP_510961) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

37.9 kDa

AA Sequence

MESAAALHFSRPASLLLLLLSLCALVSAQFIVVGPTDPILATVGENTTLRCHLSPEKNA
EDMEVRWFRSQFSPA VFVYKGGREERTEEQMEEYRGRTTFVSKDISRGSVALVIHNI
TAQENGTYRCYFQEGRSYDEAILHLVVAGLGSKPLISMRGHEDGGIRLECISRGWYP
KPLTVWRDPYGGVAPALKEVSMPDADGLFMVTTAVIIRDKSVRNMSCSINNTLLGQK
KESVIFIPESFMPSVSPCAVALPIIVILMIPIAVCIYWINKLQKEKKILSGEKEFERETRE

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IALKELEKERVQKEEELQVKEKLQEELRWRRTFLHAELQFFSNTRTRPLEQKLISEED
LAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [BTN2A1 butyrophilin subfamily 2 member A1 \[Homo sapiens \(human\) \]](#)

Official Symbol [BTN2A1](#)

Synonyms [BTN2A1](#); butyrophilin, subfamily 2, member A1; butyrophilin subfamily 2 member A1; BT2.1; BTF1; butyrophilin BTF1; DJ3E1.1; BK14H9.1; FLJ36567;

Gene ID [11120](#)

mRNA Refseq [NM_078476](#)

Protein Refseq [NP_510961](#)

MIM [613590](#)

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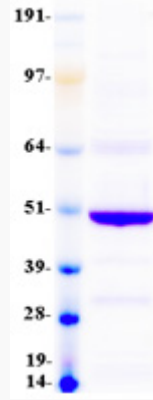
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UniProt ID

Q7KYR7

SDS-PAGE



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