

# Recombinant Human BTN1A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BTN1A1-2826H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | BTN1A1 MS Standard C13 and N15-labeled recombinant protein (NP_001723) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families                                                                                       |
| <b>Molecular Mass</b>   | 58.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAVFPSSGLPRCLLTLLQLPKLDSAPFDVIGPPEPILAVVGEDAELPCRLSPNASAE<br>HLELRWFRKKVSPAVLVHRDGREQEAEQMPEYRGRATLVQDGIAGRVALRIRGVR<br>VSDDGEYTCFFREDGSYEEALVHLKVAALGSDPHISMQVQENGEICTSVGWYP<br>EPQVQWRTSKGEKFPSTSES RNPDEEGLFTVAASVIIRDTSTKNVSCYIQNLLLGQE<br>KKVEISIPASSLPRLTPWIVAVAVILMVLGLLTIGSIFFTWRLYNERPRERRNEFSSKER<br>LLEELKWKKATLHAVDVTLDPDTAHPHFLYEDSKSVRLEDSRQKLPEKTERFDSWP<br>CVLGRETFTSGRHYWEVEVGDRDWAIGVCRENVMMKKGFDPMTPENGFWAVELY<br>GNGYWALTPLRTPLPLAGPPRRVGIFLDYESGDISFYNMNDGSDIYTFSNVTFSGPL |

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RPFFCLWSSGKKPLTICPIADGPERVTVIANAQDLSKEIPLSPMGEESAPRDADTLHS  
KLIPTQPSQGAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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** [BTN1A1 butyrophilin subfamily 1 member A1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [BTN1A1](#)

**Synonyms** BTN1A1; butyrophilin, subfamily 1, member A1; BTN; butyrophilin subfamily 1 member A1; BT; bK14H9.2 (butyrophilin, subfamily 1, member A1);

**Gene ID** [696](#)

**mRNA Refseq** [NM\\_001732](#)

**Protein Refseq** [NP\\_001723](#)

**MIM** [601610](#)

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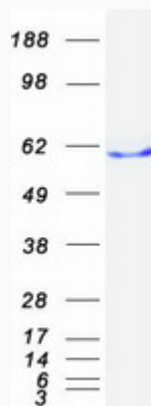
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UniProt ID

Q13410

SDS-PAGE

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