

## Recombinant Human BTN1A1 Protein, Fc-tagged

**Cat. No.** BTN1A1-615H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human BTN1A1 protein with Fc tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 526                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 50.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MAVFPSSGLPRCLLTLLQLPKLDSAPFDVIGPPEPILAVVGEDAELPCRLSPNASAE<br>HLELRWFRKKVSPAVLVHRDGREQEAEQMPEYRGRATLVQDGIAGRVALRIRGVR<br>VSDDGEYTCFFREDGSYEEALVHLKVAALGSDPHISMQVQENGEICTSVGWYP<br>EPQVQWRTSKGEKFPSTSES RNPDEEGLFTVAASVIIRDTS AKNVSCYIQNLLLGQE<br>KKVEISIPASSLPRLTPWIVAVAVILMVLGLLTIGSIFFTWRLYNERPRERRNEFSSKER<br>LLEELKWKKATLHAVDVTLPDTHPHLFLYEDSKSVRLEDSRQKLPEKTERFDSWP<br>CVLGRETFTSGRHYWEVEVGDRDWAIGVCRENVMKKGFDPMPENGFWAVELY |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | GNGYWALTPLRTPLPLAGPPRRVGIFLDYESGDISFYNMNDGSDIYTFSNVTFSGPL<br>RPFFCLWSSGKKPLTICPIADGPERVTVIANAQDLSKEIPLSPMGEDSAPRDADTLHS<br>KLIPTQPSQGAP                                                                                                                                     |
| <b>Purity</b>         | > 98%                                                                                                                                                                                                                                                                       |
| <b>Applications</b>   | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                         |
| <b>Stability</b>      | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).<br>After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                                                                   |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                          |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BTN1A1 butyrophilin, subfamily 1, member A1 [ Homo sapiens (human) ]                                                                        |
| <b>Official Symbol</b> | BTN1A1                                                                                                                                      |
| <b>Synonyms</b>        | BTN1A1; butyrophilin, subfamily 1, member A1; BTN; butyrophilin subfamily 1 member A1; BT; bK14H9.2 (butyrophilin, subfamily 1, member A1); |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |           |
|----------------|-----------|
| Gene ID        | 696       |
| mRNA Refseq    | NM_001732 |
| Protein Refseq | NP_001723 |
| MIM            | 601610    |
| UniProt ID     | Q13410    |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA