

## Recombinant Human BTN1A1 Protein, GST-tagged

Cat. No. BTN1A1-810H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human BTN1A1(Ala27-Arg242) fused with GST tag at N-terminal was expressed in HEK293 cells.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 27-242 a.a.   |
| <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 from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2. Stable for at least 6 months from date of receipt under proper storage and handling conditions.  |
| <b>Molecular Mass</b>   | 25 kDa  |
| <b>Endotoxin</b>        | < 0.1 EU per g protein as determined by LAL test  |
| <b>Purity</b>           | >95% as determined by SDS-PAGE and Coomassie blue staining  |

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**Concentration** Resuspend the protein to the desired concentration in proper buffer.

## GENE INFORMATION

**Gene Name** [BTN1A1 butyrophilin, subfamily 1, member A1 \[ Homo sapiens \]](#)

**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](#)

**UniProt ID** [Q13410](#)

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