

Recombinant Full Length Human BTN1A1 Protein, GST-tagged

Cat. No. BTN1A1-1674HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BTN1A1 full-length ORF (AAH96312.1, 1 a.a. - 526 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	526 amino acids
Description	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
Molecular Mass	85.4 kDa
AA Sequence	MAVFPSSGLP RCLLTLILLQ LPKLD SAPFD VIGPPEPILA VVGEDAELPC RLSPNASA EH LELRWFRKKV SPAVLVHRDG REQEA EQMPE YRGRATLVQD GIAKGRVALR IRGVRVSDDG EYTCFFREDG SYEEALVHLK VAALGSDPHI SMQVQENGEI CLECTSVGWY PEPQVQWRTS KGEKFPSTSE SRNPDEEGLF TVAASVIIRD TSAKNVSCYI QNLLL GQEKK VEISIPASSL PRLTPWIVAV AVILMVLGLL TIGSIFFTWR LYNERPRERR NEFSSKERLL EELKWKKATL HAVDVTLDPD TAHPHLFLYE DSKSVRLEDS RQKLPEKTER FDSWPCVLGR ETFTSGRHYW EVEVGDRTDW AIGVCRENVM KKGFDPMTPPE NGFWAVELYG

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NGYWALTPLR TPLPLAGPPR RVGIFLDYES GDISFYNMND GSDIYTFSNV
 TFSGPLRPFF CLWSSGKKPL TICPIADGPE RVTVIANAQD LSKEIPLSPM
 GEDSAPRDAD TLHSKLIPTQ PSQGAP

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution 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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