

Recombinant Human BTN1A1 Protein

Cat. No. BTN1A1-614H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human BTN1A1 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	526
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
Form	Lyophilized
Molecular Mass	25.8 kDa
AA Sequence	MAVFPSSGLPRCLLTLILLQLPKLDSAPFDVIGPPEPILAVVGEDAELPCRLSPNASAE HLELRWFRKKVSPAVLVHRDGREQAEQMPEYRGRATLVQDGIKGRVALRIRGVR VSDDGEYTCFFREDGSYEEALVHLKVAALGSDPHISMQVQENGEICLECTSVGWYP EPQVQWRRTSKGEKFPSTSESRNPDEEGLFTVAASVIIRDTSKKNVSCYIQNLLLGQE KKVEISIPASSLPRLTPWIVAVAVILMVLGLLLTIGSIFFTWRLYNERPRERRNEFSSKER LLEELKWKKATLHAVDVTLPDPTAHPHFLYEDSKSVRLEDSRQKLPEKTERFDSWP CVLGRETFTSGRHYWEVEVGDRTDWAIGVCRENVMKKGFDPMTPENGFWAVELY

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GNGYWALTPLRTPLPLAGPPRRVGIFLDYESGDISFYNMNDGSDIYTFSNVTFSGPL
 RPFCLWSSGKKPLTICPIADGPERVTVIANAQDLSKEIPLSPMGEDSAPRDADTLHS
 KLIPTQPSQGAP

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution 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

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);

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

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