

# Recombinant Human B and T Lymphocyte Associated, His-tagged

**Cat. No.** BTLA-3037H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Human BTLA protein was expressed in E.coli with His-tag at the N-terminus. The molecular weight is 32689,8 Da.

### Species

Human

### Source

E.coli

### ProteinLength

25-289 aa

### Description

B and T lymphocyte associated is a protein that in humans is encoded by the BTLA gene. BTLA has also been designated as CD272. BTLA expression is induced during activation of T cells, and BTLA remains expressed on Th1 cells but not Th2 cells. Like PD1 and CTLA4, BTLA interacts with a B7 homolog, B7H4. However, unlike PD-1 and CTLA-4, BTLA displays T-Cell inhibition via interaction with tumor necrosis family receptors (TNF-R), not just the B7 family of cell surface receptors. BTLA is a ligand for tumour necrosis factor (receptor) superfamily, member 14 (TNFRSF14), also known as herpes virus entry mediator (HVEM). BTLA-HVEM complexes negatively regulate T-cell immune responses.

### Sequences of amino acids

25-289 aa

### Formulation

Supplied in 20 mM Tris-HCl, 0.5 M NaCl, 1 mM 2-mercaptoethanol, pH:8.0 and contains not preservatives.

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

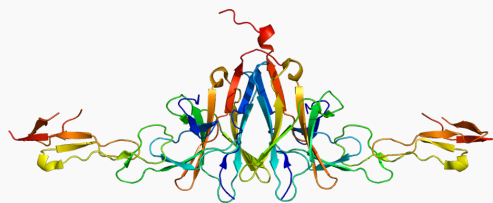
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | BTLA B and T lymphocyte associated [ Homo sapiens ]  |
| <b>Synonyms</b>            | BTLA1; CD272; FLJ16065; MGC129743; B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein |
| <b>Gene ID</b>             | 151888   |
| <b>mRNA Refseq</b>         | NM_181780  |
| <b>Protein Refseq</b>      | NP_861445  |
| <b>MIM</b>                 | 607925   |
| <b>UniProt ID</b>          | Q7Z6A9   |
| <b>Chromosome Location</b> | 3q13.2   |
| <b>Pathway</b>             | Signaling in Immune system   |
| <b>Function</b>            | protein binding; receptor activity   |

PDBrendering based on 2aw2.



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