

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

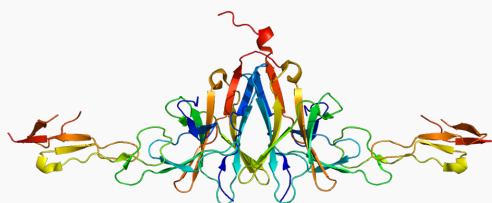
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

GENE INFORMATION

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

PDBrendering based on 2aw2.



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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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