



**Catalog Number:** PR27267

**Product Type:** Recombinant Protein

**Source:** Sf9, Insect cells

**Amino Acid Sequence:** ADPKESCDVQ LYIKRQSEHS ILAGDPFELE CPVKYCANRP HVTWCKLNGT TCVKLEDRQT SWKEEKNISF FILHFEPLVLP NDNGSYRCSA NFQSNLIESH STTLYVTDVK SASERPSKDE MASRPWLLYS HHHHHH.

**Description/Molecular Mass:** BTLA, also known as B And T Lymphocyte Associated, is an inhibitory molecule which is part of the Ig superfamily. BTLA is a type 1 transmembrane glycoprotein in the CD28 family of T cell costimulatory molecules. BTLA is a 3rd inhibitory receptor on T lymphocytes with resemblances to CTLA-4 & PD-1. Moreover, BTLA is a ligand for TNF (receptor) superfamily, TNFRSF14, and HVEM. BTLA-HVEM complexes negatively regulate T-cell immune responses.

BTLA produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 136 amino acids (31-157 a.a.) and having a molecular mass of 15.7kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa).

BTLA is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Purity:** Greater than 90.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** BTLA protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage:** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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