

## 32-17605: Recombinant Mouse BTLA Protein, His Tag

**Uniprot ID :** Q7TSA3  
**Alternative Name :** BTLA,CD272

### Description

**Molecular Characterization:** Mouse BTLA(Glu30-Pro176) 6 $\text{\AA}$ —His tag  
**Molecular weight:** The protein has a predicted molecular mass of 17.4 kDa after removal of the signal peptide. The apparent molecular mass of Mouse-BTLA-His is approximately 35-55 kDa due to glycosylation.  
**Description:** Recombinant mouse BTLA protein with C-terminal 6 $\text{\AA}$ —His tag  
**Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed: 12796776, PubMed: 14652006). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed: 19915044). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed: 19915044).**

### Product Info

**Amount :** 100  $\mu\text{g}$  / 50  $\mu\text{g}$   
**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.  
**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.