

## Recombinant Human BTLA, Fc-tagged

*BTLA-192H Human(BTLA)*

*Lot. No. (See product label)*

### PRODUCT INFORMATION

<b>Product Overview</b>	Human BTLA (31-134) Protein, Fc Tag (Human BTLA (31-134), Fc Tag) Lys 31 - Thr 134 (Accession # NP_001078826.1) was produced in human 293 cells (HEK293).
<b>Source</b>	HEK293
<b>Species</b>	Human
<b>Tag</b>	Fc
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5, 10% Trehalose.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human HVEM, Strep Tag at 2 µg/mL (100 µL/well) can bind Human BTLA, Fc Tag with a linear range of 0.01 – 0.5 µg/mL.
<b>Molecular Mass</b>	Human BTLA (31-134), Fc Tag is fused with a human IgG1 Fc tag at the C-terminus, and has a calculated MW of 38.7 kDa. The predicted N-terminus is Lys 31. The reducing (R) protein migrates as 45-50 kDa in SDS-PAGE due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>92% as determined by SDS-PAGE.

### PACKAGING

<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 °C
<b>Storage</b>	Store it under sterile conditions at -20 °C to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">BTLA B and T lymphocyte associated [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">BTLA</a>
<b>Synonyms</b>	BTLA; B and T lymphocyte associated; B- and T-lymphocyte attenuator; BTLA1; CD272; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein; FLJ16065; MGC129743;
<b>GeneID</b>	<a href="#">151888</a>
<b>mRNA Refseq</b>	<a href="#">NM_001085357</a>
<b>Protein Refseq</b>	<a href="#">NP_001078826</a>
<b>MIM</b>	<a href="#">607925</a>
<b>UniProt ID</b>	<a href="#">Q7Z6A9</a>
<b>Chromosome Location</b>	3q13.2

**Pathway** Adaptive Immune System, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem;

**Function** receptor activity;