

Active Recombinant Human BTLA Protein, Fc & Avi-tagged, Biotinylated

Cat. No. BTLA-566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human BTLA Protein (Lys 31 - Thr 134) (Q7Z6A9), fused with a human IgG1 Fc tag at the C-terminus, followed by a Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Lys 31 - Thr 134
Predicted N Terminal	Lys 31
Form	Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human HVEM, Fc Tag at 10µg/mL (100 µL/well) can bind Biotinylated Human BTLA, Fc Tag with a linear range of 0.3-5 µg/mL.
Molecular Mass	Recombinant Human BTLA Protein has a calculated MW of 40.5 kDa. The protein migrates as 55-66 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	BTLA B and T lymphocyte associated [Homo sapiens]
Official Symbol	BTLA
Synonyms	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;
Gene ID	151888
mRNA Refseq	NM_001085357
Protein Refseq	NP_001078826
MIM	607925
UniProt ID	Q7Z6A9

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Chromosome Location	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;

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