

Active Recombinant Human BTLA, Fc-tagged, Biotinylated

Cat. No. BTLA-565H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human CD272-Fc fusion protein is expressed as a 350 amino acid protein consisting of Lys31 - Pro152 region of CD272 (UniProt accession #Q7Z6A9) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	31-152 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds human HVEM/TNFRSF14 and blocks HVEM-CD272 mediated signaling activity.
Molecular Mass	Calculated molecular mass 39.6 kDa; estimated by SDS-PAGE under reducing condition 55-60 kDa probably due to glycosylation.
AA Sequence	KESCDVQLYIKRQSEHSILAGDPFELECPVKYCANRPHVTWCKLNGTTCVKLEDRQ TSWKEEKNISFFILHFEP VLPNDNGSYRCSANFQSNLIESHSTTLYVTDVKSASERP SKDEMARPSTGTHTCPPCPAPELLGGPSVFLFPP KPKDTLMISRTPEVTCVVVDV SHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY K CKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIA

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	VEWESNGQPENNYKT TPPVLDSGSSFLYSKLTVDKSRWQQGNVFSCSVMHEAL HNHYTQKSLSLSPGK
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
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

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MIM	607925
UniProt ID	Q7Z6A9
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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