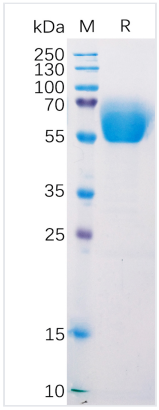
BTLA Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	BTLA, Recombinant Protein
Full Product Name	Mouse BTLA Protein, mFc Tag
Product Gene Name	BTLA recombinant protein
Product Synonym Names	BTLA; CD272
Sequence	Mouse BTLA (Glu30-Pro 176) + mFc tag
Host	HEK293 cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	>95%. Affinity purification
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)
Molecular Weight	34,337 Da
3D Structure	ModBase 3D Structure for Q7TSA3
Origin	Mouse
Reconstitution	Reconstitute with deionized water
Tag	C-Mouse Fc tag
Related Product Information for BTLA recombinant protein	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).
Other Notes	Small volumes of BTLA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BTLA purchase	MBS188276 is a recombinant protein targeting BTLA. Also known as Mouse BTLA Protein, mFc Tag. Host: HEK293 cells.



SDS-Page of BTLA recombinant protein
Figure 1. Mouse BTLA Protein, mFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BTLA. It may not necessarily be applicable to this product.

NCBI GI #	83700227
NCBI GeneID	208154
NCBI Accession #	NP_001032808.2
UniProt Primary Accession #	Q7TSA3
UniProt Related Accession #	Q7TSA3
GenBank Nucleotide #	NM_001037719.2
NCBI Official Full Name	B- and T-lymphocyte attenuator isoform 1
NCBI Official Synonym Full Names	B and T lymphocyte associated
NCBI Official Symbol	Btla
NCBI Official Synonym Symbols	A630002H24
UniProt Protein Name	B- and T-lymphocyte attenuator
UniProt Synonym Protein Names	B- and T-lymphocyte-associated protein; CD_antigen: CD272
Protein Family	B- and T-lymphocyte attenuator
UniProt Gene Name	Btla
UniProt Entry Name	BTLA_MOUSE
NCBI Protein Information	B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein
UniProt Comments for BTLA	BTLA: Lymphocyte inhibitory receptor which inhibits lymphocytes during immune response. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Cellular Component: membrane; integral to plasma membrane; integral to membrane; external side of plasma membrane Molecular Function: protein binding; receptor activity Biological Process: cell surface receptor linked signal transduction; negative regulation of T cell proliferation; immune system process; negative regulation of alpha-beta T cell proliferation; immune response-regulating cell surface receptor signaling pathway; negative regulation of B cell proliferation
Research Articles on BTLA	**1.** by coordinating expression of BTLA, RORgammat and IL-7 balance suppressive and activation stimuli to regulate gammadelta T cell homeostasis and inflammatory responses
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