

Recombinant Human LAG-3/CD223 Protein

Catalog No.: RP00788 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3902	P18627

Tags

C-Fc

Synonyms

LAG3;CD223

Background

Human Lymphocyte activation gene 3 protein(LAG3) is a member of immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. LAG3 is involved in lymphocyte activation and can bind to HLA class-II antigens. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells and acts as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signaling. It can lead to increased antigen-specific T-cell responses in vivo. LAG-3 has higher affinity to MHC class II than CD4.

Basic Information

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Description

Recombinant Human LAG-3/CD223 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Leu23-Leu450) of human LAG-3/CD223 (Accession #P18627) fused with an Fc tag at the C-terminus.

Bio-Activity

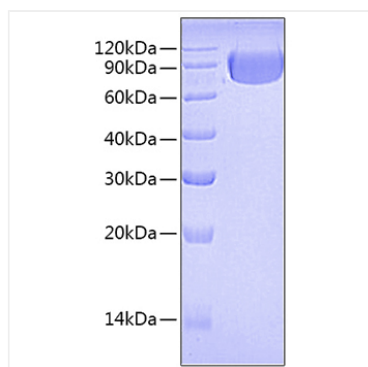
Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human LAG-3/CD223 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.