

Recombinant Human LAG3 protein, C-His Tag

Product Information

Cat	IMP-513
Official Symbol	LAG3
Product Overview	Recombinant Human LAG3 Protein(NP_002277.4)(Leu23-Leu450) is expressed in HEK293, fused with a 6His tag at the C-terminus.
Description	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.
Expression System	HEK293
Species	Human
Tag	C-His Tag
Form	Lyophilized from a 0.2 µm filtered solution of PBS, 2mM EDTA, pH7.4.
Molecular Mass	60-80kDa, reducing conditions.
Protein length	Leu23-Leu450
Endotoxin	Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE

