

Recombinant Cynomolgus LAG3 Protein (Met1-Leu450), His-tagged

Cat. No. LAG3-1011C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus LAG3 Protein (XP_005570011.1) (Met1-Leu450) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Leu450
Description	LAG3, also known as CD223 and Lymphocyte activation gene 3, belongs to immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells. It also 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 signalling, leading to increased antigen-specific T-cell responses in vivo.
Predicted N Terminal	Ile 29
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant LAG3 consists of 428 amino acids and predicts a molecular mass of

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	46.5 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. 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 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	LAG3 lymphocyte activating 3 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	LAG3
Gene ID	102122272
mRNA Refseq	XM_005569954
Protein Refseq	XP_005570011

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