

Recombinant Cynomolgus LAG3 protein, N-His Tag

Product Information

Cat	IMP-511
Official Symbol	LAG3
Product Overview	Recombinant Cynomolgus LAG3(XP_005570011.1)(Pro23-Leu450) is expressed in HEK293, fused with a 8His tag at the N-terminus.
Description	Lymphocyte Activating 3(LAG3) belongs to immunoglobulin (Ig) superfamily, <i>Macaca fascicularis</i> LAG3 cDNA encodes 533 amino acids (aa) that include a 17 aa signal sequence, a 451 aa extracellular domain (ECD) with two Ig-like domains, a transmembrane region and a highly charged cytoplasmic region. LAG3's main ligand is MHC class II, to which it binds with higher affinity than CD4. The protein negatively regulates cellular proliferation, activation, and homeostasis of T cells, in a similar fashion to CTLA-4 and PD-1 and has been reported to play a role in Treg suppressive function.
Expression System	HEK293
Species	Cynomolgus
Tag	N-His Tag
Form	Lyophilized from a 0.2 µm filtered solution of PBS, PH7.4.
Molecular Mass	55-65&140kDa, reducing conditions.
Protein length	Pro23-Leu450
Endotoxin	Less than 0.1 ng/µg (1 EU/µg).
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. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
SDS-PAGE	

