

Recombinant Cynomolgus LAG-3/CD223 Protein (His Tag)

Catalog No. PKSQ050011

Note: Centrifuge before opening to ensure complete recovery of vial contents.

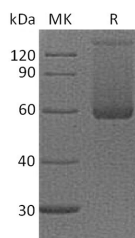
Description

Synonyms	Lymphocyte Activating 3;LAG3;LAG-3;CD223
Species	Cynomolgus macaques
Expression Host	HEK293 Cells
Sequence	Pro23-Leu450(Pro74)
Accession	XP_005570011.1
Calculated Molecular Weight	47.3 kDa
Observed molecular weight	55-65&140 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Lymphocyte Activating 3(LAG3) belongs to immunoglobulin (Ig) superfamily, Macaca fascicularis 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,

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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.