

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

Catalog Number: PKSQ050011

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

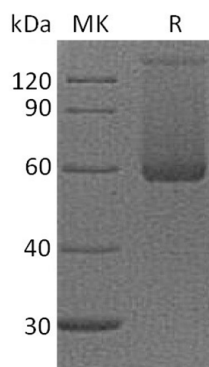
### Description

<b>Species</b>	Cynomolgus macaques
<b>Source</b>	HEK293 Cells-derived Cynomolgus macaques LAG-3/CD223 protein Pro23-Leu450(Pro74), with an N-terminal His
<b>Calculated MW</b>	47.3 kDa
<b>Observed MW</b>	55-65&140 kDa
<b>Accession</b>	XP_005570011.1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	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, 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.

### For Research Use Only

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