

# Recombinant Rat LAG3/CD223 Protein (His Tag)

Catalog Number:PKSR030201



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

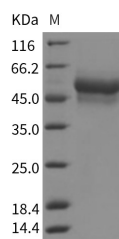
## Description

<b>Synonyms</b>	LAG3
<b>Species</b>	Rat
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met1-Leu442
<b>Accession</b>	Q5BK54
<b>Calculated Molecular Weight</b>	47.1 kDa
<b>Observed molecular weight</b>	55 kDa
<b>Tag</b>	C-His

## 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 sterile 20 mM NaAc, 500 mM NaCl, 10 % Glycerol, 0.02 % tween 20, pH 5.5 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in th
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

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.

## For Research Use Only

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