

Datasheet for ABIN7275100

KLRG1 Protein (AA 57-188) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	KLRG1
Protein Characteristics:	AA 57-188
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRG1 protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse KLRG1 Protein
Sequence:	Gln57-Tyr188
Characteristics:	Recombinant Mouse KLRG1 Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Gln57-Tyr188.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	KLRG1
Alternative Name:	KLRG1 (KLRG1 Products)

Target Details

Background: Immune homeostasis requires the tight, tissue-specific control of the different CD4 Foxp3 regulatory T (Treg) cell populations. The cadherin-binding inhibitory receptor killer cell lectin-like receptor G1 (KLRG1) is expressed by a subpopulation of Treg cells with GATA3 effector phenotype. Lack of KLRG1 on Treg cells conferred on them a competitive advantage in the gut, but not in lymphoid organs. Hence, although absence of KLRG1 is not enough to increase intestinal Treg cells in KLRG1 knockout mice, KLRG1 ligation reduces T-cell receptor signals and the competitive fitness of individual Treg cells in the intestine.

Molecular Weight: 42.3 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.

UniProt: [O88713](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

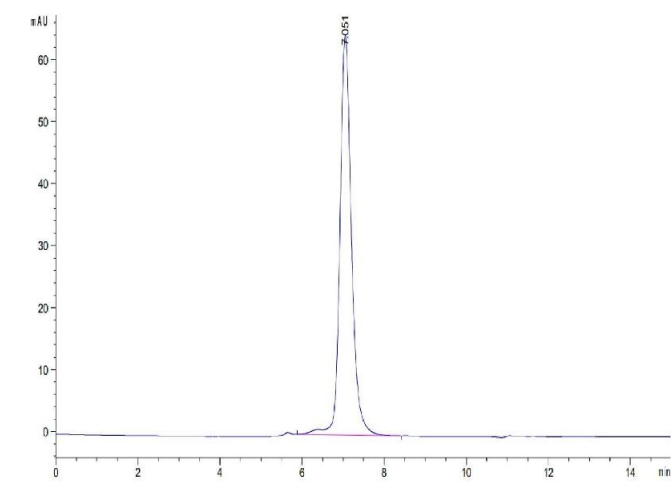
Buffer: Supplied as 0.22µm filtered solution in PBS (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

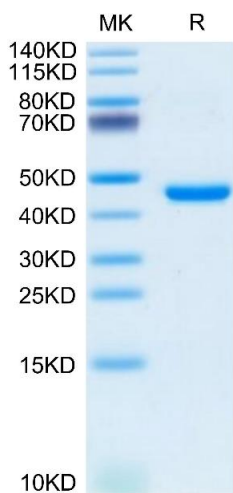
Expiry Date: 12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse KLRG1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse KLRG1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .