Cynomolgus KLKB1 Protein

Cat. No. KLK-CM1B1

Description

Source	Recombinant Cynomolgus KLKB1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly20-Ala638.
Accession	A0A2K5VTJ9
Molecular Weight	The protein has a predicted MW of 70.19 kDa. Due to glycosylation, the protein migrates to 70-90 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

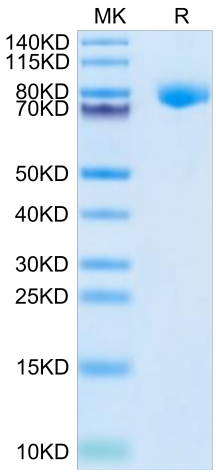
Formulation	Lyophilized from 0.22μm filtered solution in 20mM NaAc, 150mM NaCl (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 20mM NaAc, 150mM NaCl (pH 5.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Plasma kallikrein, also known as Fletcher factor or kallikrein B1 (KLKB1), is a serine endopeptidase, like its homologs tissue kallikrein and kallikrein-related peptidases (KLKs). Its physiological role is to catalyze the release of kinins and other vasoactive peptides.

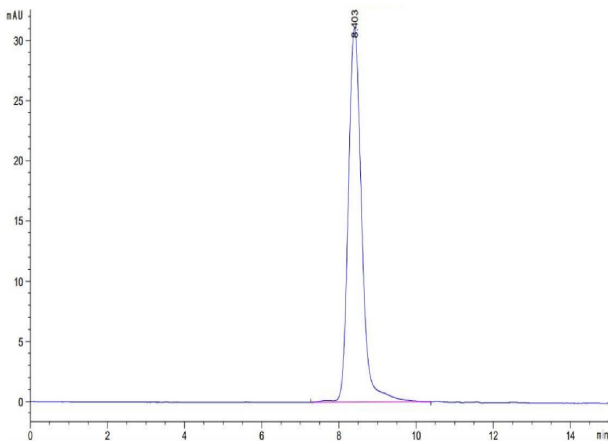
Assay Data

Tris-Bis PAGE



Cynomolgus KLKB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Cynomolgus KLKB1 is greater than 95% as determined by SEC-HPLC.

For Research Use Only

Cynomolgus KLKB1 Protein

Cat. No. KLK-CM1B1

Assay Data

Bioactivity Data

Measured by its ability to cleave a flourogenic peptide substrate Pro-Phe-Arg-7-amido-4-methylcoumarin (PFR-AMC). The specific activity is > 800 pmol/min/µg

For Research Use Only