

Human Kallikrein 9 Protein (pro form)

Cat. No. KLK-HM119

Description

Source	Recombinant Human Kallikrein 9 Protein (pro form) is expressed from HEK293 with His tag at the C-terminus. It contains His16-Asn250.
Accession	Q9UJKQ9-1
Molecular Weight	The protein has a predicted MW of 27.62 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

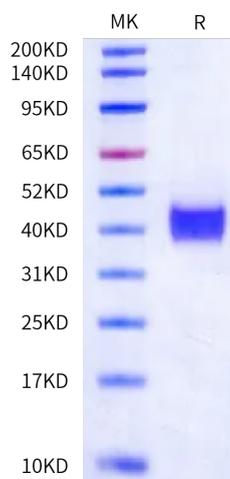
Formulation	Lyophilized from 0.22 µm filtered solution in 20mM NaAC, 150mM NaCl, 8% trehalose (pH 5.0).
Reconstitution	Dissolve the lyophilized protein in 20mM NaAC, 150mM NaCl (pH 5.0). Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Human kallikrein 9 (KLK9) is a serine protease and a member of the kallikrein family. KLK9 gene expression was found to have favorable prognostic value in ovarian and breast cancer, while elevated KLK9 expression levels were associated with higher grade gliomas. KLK9 gene expression has also been related to non-malignant diseases. Recent studies associate KLK9 expression patterns with cardiac hypertrophy and hypertension-induced target organ damage, psoriatic lesions and complications in asthma patients.

Assay Data

Bis-Tris PAGE



Human Kallikrein 9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.