

Datasheet for ABIN7320811  
**Kallikrein 1 Protein (KLK1) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	Kallikrein 1 (KLK1)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Kallikrein 1/KLK1 Protein (His Tag)
Sequence:	Pro19-Asp261
Characteristics:	Recombinant Mouse Kallikrein-1 is produced by our Mammalian expression system and the target gene encoding Pro19-Asp261 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Kallikrein 1 (KLK1)
Alternative Name:	Kallikrein 1/KLK1 ( <a href="#">KLK1 Products</a> )
Background:	Background: Kallikreins belongs to the family of trypsin-like serine proteases, many of which are associated with a variety of cancers. Kallikrein 1 (KLK1) is also known as tissue kallikrein and urinary kallikrein. KLK1 is synthesized as a 261 amino acid (aa) protein that contains a 18 aa

## Target Details

signal peptide and a 241 aa proprotein. An important physiological function of KLK1 cleaves Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. Kinins regulate vasodilation, blood pressure reduction, smooth muscle relaxation and contraction, pain induction and inflammation.

Synonym: Glandular kallikrein K1, KAL-B, Renal kallikrein, Tissue kallikrein-6, mGK-6

Molecular Weight: 27.9 kDa

UniProt: [P15947](#)

Pathways: [Complement System](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

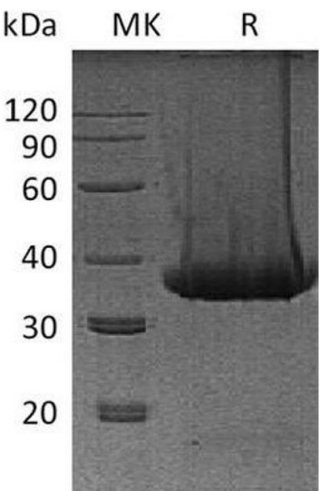
Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 7.5.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.

## Images



### Western Blotting

Image 1.