

## 32-9011: Recombinant Mouse Kallikrein 1/mGK-6 (C-6His)

**Gene :** KLK1  
**Gene ID :** 16612  
**Uniprot ID :** P15947

### Description

Source: Human Cells.  
MW :27.9kD.

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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH7.5.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** PPVQSRIVGGFNCEKNSQPWQVAVYRFTKYQCGGILLNANWVLTAAHCHNDKYQVWLGKNNFLEDEPSAQH  
RLVSKAIPHPDFNMSLLNEHTPQPEDDYSNDLMLLRLLKPADITDVVKPIDLPTEEPKLGSTCLASGWGSITPVK  
YEYPDELQCVNLKLLPNEDCAKAHIEKVTDDMLCAGDMGGKDTGAGDSGGPLICDGVLQGITSWGSPCGK  
PNVPGIYTRVLNFNNTWIRETMAENDVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.