

Product datasheet for **TP727769**

KLK1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Kallikrein 1/mGK-6 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Pro19-Asp261
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Note:	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.
Storage:	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.
Stability:	12 months from date of despatch
Locus ID:	16612
UniProt ID:	P15947
Synonyms:	Glandular kallikrein K1; KAL-B; Renal kallikrein; Tissue kallikrein-6; mGK-6
Summary:	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.



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