

## 32-7544: Recombinant Human Kallikrein 2/KLK2 (C-6His)

**Gene :** KLK2  
**Gene ID :** 3817  
**Uniprot ID :** P20151

### Description

Source: Human Cells.  
MW :27.9kD.

Recombinant Human Kallikrein 2 is produced by our Mammalian expression system and the target gene encoding Pro19-Pro261 is expressed with a 6His tag at the C-terminus. Kallikrein-2 (KLK2) is a secreted serine protease that belongs to the peptidase S1 family of Kallikrein subfamily. KLK2 contains 1 peptidase S1 domain. It is highly expressed in the human prostate gland. KLK2 can cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin, but Preferential cleavages of Arg-|-Xaa bonds in small molecule substrates. It also highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met-|-Xaa or Leu-|-Xaa. KLK2 is inhibited by serpins such as protein C inhibitor, antichymotrypsin, and plasminogen. KLK2 is considered to be a biomarker for prostate cancer.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Citrate, 150mM NaCl, pH 3.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** PLIQSRIVGGWECEKHSQPWQVAVYSHGWAHCGGVLVHPQWVLTAAHCLKKNSQVWLGRHNLFEPEDTGQ  
RVPVSHSFPHPLYNMSLLKHQSLRPDEDSSHDLMLLRLSEPAKITDVVKVLGLPTQEPALGTTTCYASGWGSIEPE  
EFLRPRSLQCVSLHLLSNDMPCARAYSEKVTEFMLCAGLWTGGKDTCCGGDSGGPLVCNGVLQGITSWGPEPCA  
LPEKPAVYTKVVHYRKWIKDTIAANPVDHHHHHH

### Application Note

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