

Product datasheet for **TP726828**

Kallikrein 2 (KLK2) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Kallikrein 2/KLK2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Pro19-Pro261
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Citrate, 150mM NaCl, pH 3.5.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	3817
UniProt ID:	P20151
Synonyms:	Kallikrein-2; Glandular Kallikrein-1; hGK-1; Tissue Kallikrein-2; KLK2
Summary:	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.
Protein Families:	Druggable Genome, Protease



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