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Datasheet for ABIN7318697
Kallikrein 2 Protein (KLK2) (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | Kallikrein 2 (KLK2) |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Kallikrein 2 protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Human Kallikrein 2/KLK2 Protein (His Tag) |
| Sequence: | Pro19-Pro261 |
| Characteristics: | 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. |
| 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 2 (KLK2) |
| Alternative Name: | Kallikrein 2/KLK2 (KLK2 Products) |
| Background: | Background: 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 |

Target Details

Lys-bradykinin, but Preferential cleavages of Arg-I-Xaa bonds in small molecule substrates. It also highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met-I-Xaa or Leu-I-Xaa. KLK2 is inhibited by serpins such as protein C inhibitor, antichymotrypsin, and plasminogen. KLK2 is considered to be a biomarker for prostate cancer. Synonym: Kallikrein-2, Glandular Kallikrein-1, hGK-1, Tissue Kallikrein-2, KLK2

Molecular Weight: 27.9 kDa

UniProt: [P20151](#)

Pathways: [Complement System](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Citrate, 150 mM NaCl, pH 3.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.