## PRODUCT INFORMATION

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|---|---|
| **Target** | KLK1 |
| **Synonyms** | hK1; KLKR; Klk6 |
| **Description** | Recombinant human KLK1 Protein with C-terminal 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P06870 |
| **Expression Host** | HEK293 |
| **Tag** | C-6×His tag |
| **Molecular Characterization** | KLK1(Ile25-Ser262) 6×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 27.2 kDa after removal of the signal peptide. |
| **Purity** | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).Lyophilized proteins are shipped at ambient temperature. |
| **Background** | Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |


Figure 1. Human KLK1 Protein, His Tag on SDS-PAGE under reducing condition.