

Human CellExp Kallikrein-1, human recombinant protein
KLK1, Kallikrein-1, KLKR, Klk6, hK1
Catalog # PBV11036r**Specification**

Human CellExp Kallikrein-1, human recombinant protein - Product infoPrimary Accession
Calculated MW[P06870](#)

This protein is fused with polyhistidine tag at the C-terminus, has a calculated MW of 27.9 kDa. The predicted N-terminus is Pro 19. DTT-reduced Protein migrates as 40-45 kDa due to glycosylation. KDa

Human CellExp Kallikrein-1, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
KLK1, Kallikrein-1, KLKR, Klk6, hK1**3816**
KLK1Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its ability to cleave a fluorogenic peptide substrate Pro - Phe - Arg - 7 - amido - 4 - methylcoumarin (PFR-AMC). The specific activity is >1200 pmol/min/ µg.

Target/Specificity
Kallikrein-1**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 2 mM CaCl₂, 150 mM NaCl, pH 7.5. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp Kallikrein-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp Kallikrein-1, human recombinant protein - Images

Human CellExp Kallikrein-1, human recombinant protein - Background

Kallikrein-1 (KLK1) belongs to the peptidase S1 family and Kallikrein subfamily. KLK1 contains one peptidase S1 domain. KLK-1 preferential cleavage of Arg-|-Xaa bonds in small molecule substrates and also has highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met-|-Xaa or Leu-|-Xaa. Glandular Kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.

Human CellExp Kallikrein-1, human recombinant protein - References

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