

**Human CellExp KLK-8 / Kallikrein-8, human recombinant protein**  
**KLK8, Kallikrein-8, Neuropsin, Ovasin, NRPN, PRSS19, TADG14, NP, hK8**  
**Catalog # PBV11130r**

## Specification

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### Human CellExp KLK-8 / Kallikrein-8, human recombinant protein - Product info

Primary Accession  
Calculated MW

[O60259](#)

This protein is fused with polyhistidine tag at the C-terminus, and has a calculated MW of 25.8 kDa. The predicted N-terminus is Gln 29. DTT-reduced Protein migrates as 38 kDa in SDS-PAGE due to glycosylation. KDa

### Human CellExp KLK-8 / Kallikrein-8, human recombinant protein - Additional Info

Gene ID **11202**  
Gene Symbol **KLK8**

**Other Names**

KLK8, Kallikrein-8, Neuropsin, Ovasin, NRPN, PRSS19, TADG14, NP, hK8

|                           |                        |
|---------------------------|------------------------|
| Gene Source               | Human                  |
| Source                    | HEK293 cells           |
| Assay&Purity              | SDS-PAGE; ≥95%         |
| Assay2&Purity2            | N/A;                   |
| Recombinant               | Yes                    |
| Results                   | >500 pmoles / min / µg |
| Sequence                  | Gln 29 - Gly 260       |
| <b>Target/Specificity</b> |                        |
| KLK-8 / Kallikrein-8      |                        |

### Application Notes

Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

### Format

Lyophilized

### Storage

-20°C; Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH 8.0. Normally Mannitol or Trehalose are added as protectants before lyophilization.

### Human CellExp KLK-8 / Kallikrein-8, 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 KLK-8 / Kallikrein-8, human recombinant protein - Images**

#### **Human CellExp KLK-8 / Kallikrein-8, human recombinant protein - Background**

Kallikrein-8 (KLK8) is also known as Neuropsin (NP or NRPN), Ovasin, Serine protease 19 (PRSS19), Tumor-associated differentially expressed gene 14 protein (TADG-14), which belongs to the peptidase S1 family and Kallikrein subfamily. KLK8 contains 1 peptidase S1 domain. KLK8 is pH dependence protein and the optimum pH is 8.5, and the protein is active from pH 7-10. KLK8 is expressed at high levels in serum, ascites fluid and tumor cytosol of advanced stage ovarian cancer patients and may serve as a marker of ovarian cancer. KLK8 cleavage of amide substrates following the basic amino acids Arg or Lys at the P1 position, with a preference for Arg over Lys, and the catalytic activity of KLK8 is inhibited by a range of serine protease inhibitors including antipain, aprotinin, leupeptin, benzamidine and soybean trypsin inhibitor.

#### **Human CellExp KLK-8 / Kallikrein-8, human recombinant protein - References**

Yoshida S.,et al.Gene 213:9-16(1998).  
Underwood L.J.,et al.Cancer Res. 59:4435-4439(1999).  
Mitsui S.,et al.Eur. J. Biochem. 260:627-634(1999).  
Gan L.,et al.Gene 257:119-130(2000).  
Magklara A.,et al.Clin. Cancer Res. 7:806-811(2001).