

## Recombinant Human KLK8 Protein, His-tagged

Cat. No. KLK8-081H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human KLK8 protein with His tag was expressed in HEK293.

**Species** Human

**Source** HEK293

**ProteinLength** 260

**Description** 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 tandem in a gene cluster on chromosome 19. The encoded protein may be involved in proteolytic cascade in the skin and may serve as a biomarker for ovarian cancer. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms.

**Form** Lyophilized

**Molecular Mass** 25.8 kDa

**AA Sequence**

MGRPRPRAAKTWMFLLLLGGAWAGHSRAQEDKVLGGHECQPHSQPWQAALFQG  
 QLLCGGVLVGGNWWLTAHCKKPKYTVRLGDHSLQNKDGPQEIPVVQSIPHCY  
 NSSDVEDHNHDLMLLQLRDQASLGSKVKPISLADHCTQPGQKCTVSGWGTVTSPR  
 ENFPDTLNCAEVKIFPQKKCEDAYPGQITDGMVCAGSSKGADTCQGDSGGPLVCD  
 GALQGITSWGS DPCGRSDKPGVYTNICRYLDWIKKIIGSKG

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<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H <sub>2</sub> O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	KLK8 kallikrein-related peptidase 8 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KLK8
<b>Synonyms</b>	KLK8; kallikrein-related peptidase 8; kallikrein 8 (neuropsin/ovasin) , PRSS19; kallikrein-8; HNP; neuropsin; ovasin; TADG14; hK8; neuropsin type 1; neuropsin type 2; serine protease 19; KLK8 protein type 1; KLK8 protein type 2; serine protease TADG-14; tumor-associated differentially expressed gene 14 protein; NP; NRPN; PRSS19;

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Gene ID	11202
mRNA Refseq	NM_007196
Protein Refseq	NP_009127
MIM	605644
UniProt ID	O60259

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