

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 QQLLCGGVLVGGNWWLTAHCKKPKYTVRLGDHSLQNKDGPEQEIPVVQSIPHPCY NSSDVEDHNHDLMLLQLRDQASLGSKVKPISLADHCTQPGQKCTVSGWGTVTSPR ENFPDTLNCAEVKIFPQKKCEDAYPGQITDGMVCAGSSKGADTCQGDSGGPLVCD GALQGITSWGSDPCGRSDKPGVYTNICRYLDWIKKIIGSKG

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	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.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O 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

Gene Name	KLK8 kallikrein-related peptidase 8 [Homo sapiens (human)]
Official Symbol	KLK8
Synonyms	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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