

Recombinant Human KLK1 Protein, His-tagged

Cat. No. KLK1-074H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KLK1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	262
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 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.
Form	Lyophilized
Molecular Mass	27.9 kDa
AA Sequence	MWFLVLCALSLGGTGAAPPIQSRIVGGWECEQHSQPWQAALYHFSTFQCGGILVH RQWVLTAAHCISDNQYLWLGRHNLFDDETAQFVHVSESFPHPGFNMSLLENHTR QADEDYSHDLMLRLTEPADTITDAVKVVELPTEEPEVGSTCLASGWGSIEPENFSF PDDLQCVDLKILPNDECKKAHVQKVTDFMLCVGHLEGGKDTCVGDSGGPLMCDGV LQGVTSWGYVPCGTPNKPSVAVRVL SYVKWIEDTIAENS

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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	KLK1 kallikrein 1 [Homo sapiens (human)]
Official Symbol	KLK1
Synonyms	KLK1; kallikrein 1; kallikrein 1, renal/pancreas/salivary; kallikrein-1; Klk6; tissue kallikrein; glandular kallikrein 1; kallikrein serine protease 1; kidney/pancreas/salivary gland kallikrein; hK1; KLKR;
Gene ID	3816

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mRNA Refseq	NM_002257
Protein Refseq	NP_002248
MIM	147910
UniProt ID	P06870

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