

Recombinant Human KLK8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KLK8-480H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

KLK8 MS Standard C13 and N15-labeled recombinant protein (NP_009127) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

28.1 kDa

AA Sequence

MGRPRPRAAKTWMFLLLLGGAWAGHSRAQEDKVLGGHECQPHSQPWQAALFQG
 QQLLCGGVLVGGNWVLTAHCKKPKYTVRLGDHSLQNKDGPEQEIPVVQSIPHPCY
 NSSDVEDHNHDLMLLQLRDQASLGSKVKPISLADHCTQPQKCTVSGWGTVTSPR
 ENFPDTLNCAEVKIFPQKKCEDAYPGQITDVMVCAGSSKGADTCQGDSGGPLVCD
 GALQGITSWGS DPCGRSDKPGVYTNICRYLDWIKKIIGSKGTRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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;
Gene ID	11202
mRNA Refseq	NM_007196
Protein Refseq	NP_009127
MIM	605644

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UniProt ID

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