

Recombinant Human KLK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KLK2-4486H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLK2 MS Standard C13 and N15-labeled recombinant protein (NP_005542) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants.
Molecular Mass	28.7 kDa
AA Sequence	MWDLVLSIALSVGCTGAVPLIQSRIVGGWECEKHSQPWQVAVYSHGWAHCGGVLV HPQWVLTAAHCLKKNSQVWLGRHNLFEPEDTGQRVPVSHSFPHPLYNMSLLKHQS LRPDEDSSHDLMLLRLSEPAKITDVVKVLGLPTQEPALGTTTCYASGWGSIEPEEFLR PRSLQCVSLHLLSNDMCARAYSEKVTEFMLCAGLWTGGKDTCCGGDSGGPLVCNGV

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LQGITSWGPEPCALPEKPAVYTKVVHYRKWIKDTIAANPTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

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 [KLK2 kallikrein-related peptidase 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [KLK2](#)

Synonyms KLK2; kallikrein-related peptidase 2; kallikrein 2, prostatic; kallikrein-2; tissue kallikrein-2; glandular kallikrein 2; glandular kallikrein-1; hK2; hGK-1; KLK2A2; FLJ17010; FLJ17011; MGC12201;

Gene ID [3817](#)

mRNA Refseq [NM_005551](#)

Protein Refseq [NP_005542](#)

MIM [147960](#)

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UniProt ID

P20151

SDS-PAGE



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