

KLK2, 25-261aa, Human, His-tag, Baculovirus

Cat.NO.: TP02747

3th Edition

Synonyms:Kallikerin-2 isoform1 , KLK2, hGK-1, hK2, KLK2A2, Glandular kallikrein 2Glandular kallikrein-1, hGK 1, hGK-1, hK2, Kallikrein 2 prostatic, Kallikrein related peptidase 2, kallikrein.

Description:KLK2, also known as kallikerin-2 isoform1, is a secreted serine protease that is highly expressed in the human prostate gland. The enzyme is highly specific for cleavage after arginine residues. This protein is able to activate the urokinase-type plasminogen activator. It is inhibited by serpins such as protein C inhibitor, antichymotrypsin and plasminogen activator inhibitor. Recombinant human KLK2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:27.2kDa (246aa), 28-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPIVGGWECEKHSQPWQVAVYSHGWAHCGGVLVHPQWVLTAHCLKKNSQVWLGRHNLFEPEDTGQRVPVS
HSFPHPLYNMSLLKHQSLRPDEDSSHDLMLLRLSEPAKITDVVKVLGLPTQEPALGTTTCYASGWGSIEPEEFLRPRS
LQCVSLHLLSNDM CARAYSEKVTEFMLCAGLWTGGKDTCGGDSGGPLVCNGVLQGITSWGPEPCALPEKPAVYT
KVVHYRKWIKDTIAANPHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.