

**KLK5, 67-293aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP02750**

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3th Edition

**Synonyms:**Kallikrein-5, KLK5, KLK-L2, KLKL2, SCTE

**Description:**KLK5, also known as kallikrein-5, is one of the newly identified members of the kallikrein gene family, which is a subgroup of the serine protease enzyme family. It is highly expressed in skin, mammary gland and testis. KLK5 has been suggested to regulate cell shedding (desquamation) in conjunction with KLK7 and KLK14, given its ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. It is proposed that KLK5 regulates this process since it is able to self-activate in addition to activating KLK7 and KLK14. Recombinant human KLK5, 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:**26.2kDa (236aa), 28-40kDa (SDS-PAGE under reducing conditions)

**Sequences:**

ADLIINGSDCDMHTQPWQAALLLRPNQLYCGAVLVHPQWLLTAAHCRKKVFRVRLGHYSLSPPVYESGQQMFQGVK  
SIPHPGYSHPGHSNDLMLIKLNRRIRPTKDVRPINVSSHCPGATKCLVSGWGTTKSPQVHFVKVLQCLNISVLSQK  
RCEDAYPRQIDDTMFCAGDKAGRDSCQGDSGGPVVVCNGSLQGLVSWGDYPCARPNRPGVYTNLCKFTKWIQETI  
QANSHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/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.