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32-2484: KLK5 Recombinant Protein

Alternative Name : Kallikrein-5,Kallikrein-like protein 2,KLK-L2,Stratum corneum tryptic enzyme,KLK5,SCTE,UNQ570/PRO1132,KLKL2.

Description

Source : Escherichia Coli. KLK5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (67-293) and having a molecular mass of 27.8kDa.KLK5 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Kallikrein-5 (KLK5) is a member of the serine protease family of proteolytic enzymes. KLK5 is expressed in various tissues including the salivary gland, stomach, uterus, lung, thymus, prostate, colon, brain, thyroid, and trachea. KLK5 expression is up-regulated by estrogens and progestins. KLK5 is secreted and may be involved in desquamation in the epidermis. Kallikreins which are a subgroup of serine proteases, have distinct physiological functions. Many kallikreins are associated with carcinogenesis and some have potential as novel cancer and other disease biomarkers. The KLK5 gene is one of the 15 kallikrein subfamily members located in a cluster on chromosome 19.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The KLK5 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 20% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMIINGS DCDMHTQPWQ AALLLRPNQL YCGAVLVHPQ WLLTAAHCRK KVFRVRLGHY SLSPVYESGQ QMFQGVKSIP HPGYSHPGHS NDLMLIKLNR RIRPTKDVRP INVSSHCPSA GTKCLVSGWG TTKSPQVHFP KVLQCLNISV LSQKRCEDAY PRQIDDTMFC AGDKAGRDSC QGDSGGPVVC NGSLQGLVSW GDYPCARPNR PGVYTNLCKF TKWIQETIQA NS.