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32-6816: KLK5 Human, Sf9

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

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
Kallikrein-5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 236 amino acids (67-293 a.a.) and having a molecular mass of 26.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).KLK5 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	KLK5 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% 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 :	ADLIINGSDC DMHTQPWQAA LLLRPNQLYC GAVLVHPQWL LTAAHCRKKV FRVRLGHYSL SPVYESGQQM FQGVKSIPHP GYSHPGHSND LMLIKLNRRI RPTKDVRPIN VSSHCPSAGT KCLVSGWGTT KSPQVHFPKV LQCLNISVLS QKRCEDAYPR QIDDTMFCAG DKAGRDSCQG DSGGPVVCNG SLQGLVSWGD YPCARPNRPG VYTNLCKFTK WIQETIQANS HHHHHH.