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32-6813: KLK2 Human, sf9

Alternative Name : hK2, KLK2A2, Kallikrein-2, Glandular kallikrein-1, hGK-1, issue kallikrein-2, KLK2.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
KLK2 is a part of the grandular kallikrein protein family whose Members are engaged in a diverse array of biological functions. Kallikreins are a subgroup of serine proteases which are clustered on chromosome 19. KLK2 is a highly active trypsin-like serine protease which selectively cleaves at arginine remains. KLK2 is mostly expressed in prostatic tissue and is accountable for cleaving pro-prostate-specific antigen into its enzymatically active form. KLK2 is greatly expressed in prostate tumor cells and may possibly be a prognostic maker for prostate cancer risk.
KLK2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 246 amino acids (25-261 aa) and having a molecular mass of 27.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).KLK2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	KLK2 protein solution (0.25mg/ml) containing 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 :	ADPIVGGWEC EKHSQPWQVA VYSHGWAHCG GVLVHPQWVL TAAHCLKKNS QVWLGRHNLF EPEDTGQRVP VSHSFPHPLY NMSLLKHQSL RPDEDSSHDL MLLRLSEPAK ITDVVKVLGL PTQEPALGTT CYASGWGSIE PEEFLRPRSL QCVSLHLLSN DMCARAYSEK VTEFMLCAGL WTGGKDTCGG DSGGPLVCNG VLQGITSWGP EPCALPEKPA VYTKVVHYRK WIKDTIAANP HHHHHH