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32-3675: DKK1 Recombinant Protein

Alternative Name : DKK-1,DKK1,HDKK1,HDKK-1,Dickkopf-1,Dickkopf-related protein 1,SK.

Description

Source : Hi-5 Baculovirus. DKK1 produced in Hi-5 is a single, glycosylated polypeptide chain containing 253 amino acids (32-266 a.a.) and having a molecular mass of 27.8 kDa.DKK1 is expressed with a 15 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques. DKK1 is part of the dickkopf family. DKK1 is a secreted protein with 2 cysteine rich regions and takes part in embryonic development through its inhibition of the WNT signaling pathway. High levels of DKK1 in bone marrow plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma. Induction of DKK1 contributes to the pathological cascade triggered by beta-amyloid and is significantly involved in the development of tau phosphorylation. DKK1 reduces the differentiation of osteoblastic precursor cells. DKK1 is an important member in multiple myeloma bone disease. DKK1 expression is reduced in human colon tumors, implying that DKK-1 plays a role as a tumor suppressor gene in this neoplasia; the Wnt/beta-catenin pathway is downregulated by the induction of DKK1 expression, a mechanism that is missing in colon cancer.

Product Info

Amount :	5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The DKK1 protein solution (0.25mg/ml) contains PBS (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 :	ADPTLNSVLN SNAIKNLPPP LGGAAGHPGS AVSAAPGILY PGGNKYQTID NYQPYPCAED EECGTDEYCA SPTRGGDAGV QICLACRKRR KRCMRHAMCC PGNYCKNGIC VSSDQNHFRG EIEETITESF GNDHSTLDGY SRRTTLSSKM YHTKGQEGSV CLRSSDCASG LCCARHFWSK ICKPVLKEGQ VCTKHRRKGS HGLEIFQRCY CGEGLSCRIQ KDHHQASNSS RLHTCQRHSG RLVPRGSHHH HHH.

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