

32-3677: DKK2 Recombinant Protein

Alternative Name : Dickkopf 2 homolog (Xenopus laevis), dickkopf related protein-2, hDkk-2.

Description

Source : E.coli. DKK2 Human Recombinant produced in E. coli is a single polypeptide chain containing 250 amino acids (34-259) and having a molecular mass of 27.6 kDa. DKK2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dickkopf-related protein 2 (DKK2) is a member of the dickkopf family, which has a vital role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In adults, Dkks are involved in bone formation and bone disease, cancer and Alzheimer disease. DKK2 contains 2 cysteine rich regions and is implicated in embryonic development through its interactions with the Wnt signaling pathway. DKK2 may function as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular environment and the presence of the co-factor kremen 2. DKK2 protein activity is also controlled by binding to the Wnt co-receptor LRP6 (LDL-receptor related protein 6).

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The DKK2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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 :	MGSSHHHHHH SSGLVPRGSH MGSMLNSIK SSLGGETPGQ AANRSAGMYQ GLAFGGSKKG KNLGQAYPCS SDKECEVGRY CHSPHQGSSA CMVCRKRRKRR CHRDMCCPS TRCNNGICIP VTESILTPHI PALDGTRHRD RNHGHYSNHD LGWQNLGRPH TKMSHIKGHE GDPCLRSSDC IEGFCCARHF WTKICKPVLH QGEVCTKQRK KGSHGLEIFQ RCDCAKGLSC KVVWKDATYSS KARLHVCQKI.