

## 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

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The DKK2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH GSMKLNLIK SSLGGETPGQ AANRSAGMYQ GLAFGGSKKG KNLGQAYPCS SDKECEVGRY CHSPHQGSSA CMVCRKRRKRR CHRDMCCPS TRCNGICIP VTESILTPHI PALDGTRHRD RNHGHYSNHD LGWQNLGRPH TKMSHIKGHE GDPCLRSSDC IEGFCCARHF WTKICKPVLH QGEVCTKQRK KGSHGLEIFQ RCDCAKGLSC KVKWDATYSS KARLHVCQKI.

