

Recombinant Human Dickkopf-Related Protein 2/DKK-2 Protein(N-Fc, C-6His)

Cat.NO.: TP05382

3th Edition

Synonyms:Dickkopf-related protein 2; Dickkopf-2; Dkk-2; hDkk-2

Description:Dickkopf-related protein 2 (DKK2), is a member of the dickkopf family. DKK2 is secreted protein which contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. It antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease.

Form:PBS

Molecular Weight:58.9 kDa

Sequences:Asp251-Ile526

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.