

## 32-7889: Recombinant Human Dickkopf-Related Protein 2/DKK-2 (N-Fc, C-6His)(Discontinued)

**Gene :** DKK2  
**Gene ID :** 27123  
**Uniprot ID :** Q9UBU2

### Description

Source: Human Cells.  
MW :58.9kD.

Recombinant Human Dickkopf-related protein 2 is produced by our Mammalian expression system and the target gene encoding Asp251-Ile526 is expressed with a Fc tag at the N-terminus, 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT  
KPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKKVS NKALPAIEKTISKAKGQPREPQVYTLPPSREEMTKNQV  
SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHY  
TQKLSLSLSPGKVDGGGSGGGSGGSRKRRMAALMRKSDSSCLLLLAAVLMVESSQIGSSRAKLNSIKSSLGG  
ETPGQAANRSAGMYQGLAFGGSKKGNLGOAYPCSSDKECEVGRYCHSPHQGSSACMVCRRKKRCHRDRG  
MCCPSTRCNGICIPVTESILTPHIPALDGTQHRDRNHGHYSNHDLGWQNLGRPHTKMSHIKGHEGDPCLRSS  
DCIEGFCCARHFWTKICKPVLHQGEVCTKQRKKGSHGLEIFQRCDCAKGLSCKVWKDATYSSKARLHVCQKIV  
DHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.