Recombinant Human DKK1 protein, His-Avi-tagged, Biotinylated

Cat. No. DKK1-490HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Dickkopf-related protein 1 is produced by our Mammalian expression system and the target gene encoding Thr32-His266 is expressed with a Avi, 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Thr32-His266
Description	Dickkopf-related protein 1(DKK-1), is a member of the dickkopf family. DKK1 secreted proteins with two cysteine-rich domains separated by a linker region. 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	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Molecular Mass	35-50kDa, reducing conditions.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

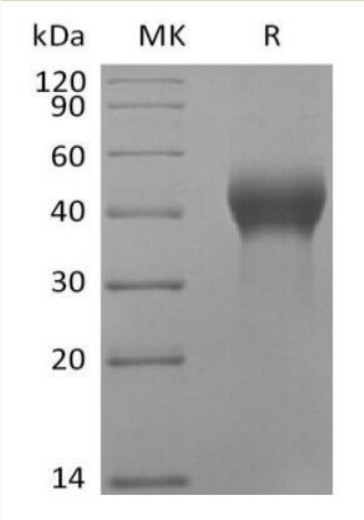
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Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Conjugation	Biotin

GENE INFORMATION

Gene Name	DKK1 dickkopf WNT signaling pathway inhibitor 1 [Homo sapiens (human)]
Official Symbol	DKK1
Synonyms	Dickkopf-related protein 1; Dickkopf-1; Dkk-1
Gene ID	22943
mRNA Refseq	NM_012242.4
Protein Refseq	NP_036374.1

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MIM	605189
UniProt ID	O94907
SDS-PAGE of DKK1-490HB	

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