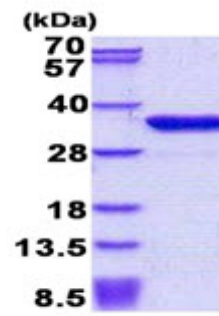


**AR50894PU-N****Human Dickkopf-1 (32-266, His-tag) - Purified**

<b>Alternate names:</b>	DKK-1, DKK1, Dickkopf-related protein 1, SK
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	Dickkopf-related protein 1, also known as DKK1, 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.
<b>Uniprot ID:</b>	<a href="#">O94907</a>
<b>NCBI:</b>	<a href="#">NP_036374</a>
<b>GeneID:</b>	<a href="#">22943</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
<b>Description:</b>	Recombinant human DKK1 protein, fused to His-tag at N-terminus, was expressed in E.coli. <b>AA Sequence:</b> MGSSHHHHHH SGLVPRGSH MGSTLNSVLN SNAIKNLPPP LGGAAGHPGS AVSAAPGILY PGGNKYQTID NYQPYPCAED EECGTDEYCA SPTRGGDAGV QICLACRKRK KRCMRHAMCC PGNYCKNGIC VSSDQNHFRG EIEETITESF GNDHSTLDGY SRRTTLSSKM YHTKGQEGSV CLRSSDCASG LCCARHFWSK ICKPVLKEGQ VCTKHRRKGS HGLEIFQRCY CGEGLScriQ KDHHQASNSS RLHTCQRH <b>Molecular weight:</b> 28.2 kDa (258aa)
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Ahn V.E., et al. (2011) Dev. Cell. 21:862-873 Haniu M., et al. (2011) Protein Sci. 20:1802-1813

Pictures:



15% SDS-PAGE (3ug)