

Product datasheet for **AR09148PU-S**

Dickkopf-1 (32-266, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Dickkopf-1 (32-266, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	Hi-5 insect
Expression cDNA Clone or AA Sequence:	<u>ADPTLNSVLN SNAIKNLPPP LGGAAGHPGS AVSAAPGILY PGGNKYQTID NYQPYPCAED EECGTDEYCA SPTRGGDAGV QICLACRKRK KRCMRHAMCC PGNKYCKNGIC VSSDQNHFRG EIEETITESF GNDHSTLDGY SRRTTLSSKM YHTKGQEGSV CLRSSDCASG LCCARHFWSK ICKPVLKEGQ VCTKHRRKGS HGLEIFQRCY CGEGLSRIQ KDHHQASNSS RLHTCQRHSG RLVPRGSHHH HHH</u>
Tag:	His-tag
Predicted MW:	27.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: PBS (pH 7.4) containing 50% glycerol, 2 mM DTT, 2 mM EDTA, 0.1 mM PMSF
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human Dkk-1 protein, fused to His-tag at C-terminus, was expressed in insect cell using baculovirus expression system and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_036374</u>
Locus ID:	22943
UniProt ID:	<u>O94907, I1W660</u>
Cytogenetics:	10q21.1



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Synonyms: DKK-1; SK

Summary: This gene encodes a member of the dickkopf family of proteins. Members of this family are secreted proteins characterized by two cysteine-rich domains that mediate protein-protein interactions. The encoded protein binds to the LRP6 co-receptor and inhibits beta-catenin-dependent Wnt signaling. This gene plays a role in embryonic development and may be important in bone formation in adults. Elevated expression of this gene has been observed in numerous human cancers and this protein may promote proliferation, invasion and growth in cancer cell lines. [provided by RefSeq, Sep 2017]

Protein Families: Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway

Protein Pathways: Wnt signaling pathway

Product images:

