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Product datasheet for AR31165PU-N

Dickkopf-3 (DKK3) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Dickkopf-3 (DKK3) human recombinant protein, 10 µg
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	APAPTATSAP VKPGPALSYP QEEATLNEMF REVEELMEDT QHKLRSAVEE MEAEEAAAKA SSEVNLANLP PSYHNETNTD TKVGNNTIHV HREIHKITNN QTGQMVFSET VITSVGDEEG RRSHECIIDE DCGPSMYCQF ASFQYTCQPC RGQRMLCTRD SECCGDQLCV WGHCTKMATR GSNGTICDNQ RDCQPGLCCA FQRGLLFPVC TPLPVEGELC HDPASRLLDL ITWELEPDGA LDRCPCASGL LCQPHSHSLV YVCKPTFVGS RDQDGEILLP REVPDEYEVG SFMEEVRQEL EDLERSLTEE MALREPAAA AAALLGGEEI
Predicted MW:	39-49 kDa
Purity:	>98% by SDS-PAGE & HPLC analysis
Buffer:	Presentation State: Purified State: Lyophilized purified protein Stabilizer: None
Bioactivity:	Biological: Determined by its ability to inhibit alkaline phosphatase activity in differentiating MC3T3 E1 cells. The expected ED50 for this effect is 2.0–4.0 ng/ml.
Reconstitution Method:	We recommended a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at –20°C for future use.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant human DKK-3 expressed in CHO cells is a glycoprotein that has a calculated molecular weight of 36.3 kDa and contains 329 amino acid residues. Due to glycosylation, human DKK-3 migrates at an apparent molecular weight of approximately 39-49 kDa by SDS-PAGE analysis under non-reducing conditions.
Note:	Centrifuge vials before opening!

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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001347186
Locus ID:	50781
Cytogenetics:	7 F1
Synonyms:	AW061014; C87148; dkk-3; mDkk-3
Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]