

Datasheet for ABIN5852946

DKK1 Protein (AA 32-266) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	DKK1
Protein Characteristics:	AA 32-266
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DKK1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSTLNSVLN SNAIKNLPPP LGGAAGHPGS AVSAAPGILY PGGNKYQTID NYQPYPCAED EECGTDEYCA SPTRGGDAGV QICLACRKRR KRCMRHAMCC PGNYCKNGIC VSSDQNHFRG EIEETITESF GNDHSTLDGY SRRTTLSSKM YHTKGQEGSV CLRSSDCASG LCCARHFWSK ICKPVLKEGQ VCTKHRRKGS HGLEIFQRCY CGEGLSCRIQ KDHHQASNSS RLHTCQRH
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Background:	Dickkopf-related protein 1, also known as DKK1, antagonizes canonical Wnt signaling by

Target Details

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. Recombinant human DKK1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 28.2 kDa (258aa)

NCBI Accession: [NP_036374](#)

UniProt: [O94907](#)

Pathways: [WNT Signaling](#), [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

Handling

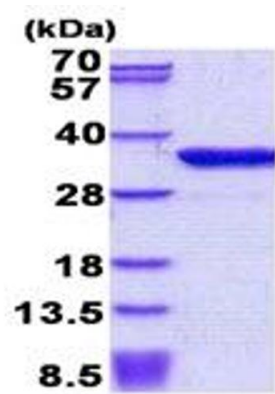
Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.