# abcam

# Product datasheet

# Recombinant Human DKK1 protein ab87416

### 1 Image

**Description** 

Product name Recombinant Human DKK1 protein

Purity > 85 % SDS-PAGE.

Affinity purified.

**Expression system** Baculovirus infected BTI-TN-5B1-4 cells

Protein length Full length protein

Animal free No

**Nature** Recombinant

**Species** Human

Sequence ADPTLNSVLN SNAIKNLPPP LGGAAGHPGS

AVSAAPGILY PGGNKYQTID NYQPYPCAED EECGTDEYCA SPTRGGDAGV QICLACRKRR KRCMRHAMCC PGNYCKNGIC VSSDQNHFRG

EIEETITESF GNDHSTLDGY SRRTTLSSKM YHTKGQEGSV

CLRSSDCASG LCCARHFWSK ICKPVLKEGQ VCTKHRRKGS HGLEIFQRCY CGEGLSCRIQ

KDHHOASNSS RLHTCORHSG RLVPRGSHHH HHH

#### **Specifications**

Our Abpromise guarantee covers the use of ab87416 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

Form Liquid

Additional notes Endotoxin:< 1.0 EU per 1 ug of protein (determined by LAL method).

**Preparation and Storage** 

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 7.40

Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.06% EDTA, 0.03% DTT, 0.00174%

PMSF

#### **General Info**

**Function** 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.

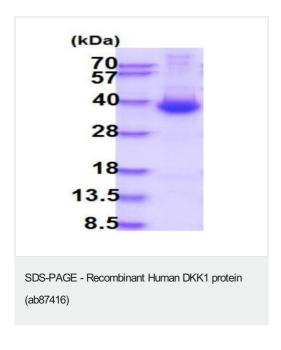
Tissue specificity Placenta.

**Sequence similarities** Belongs to the dickkopf family.

**Domain** The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.

Cellular localization Secreted.

#### **Images**



15% SDS-PAGE showing 3µg ab87416.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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