

# DKK1 Human

*Dickkopf-Related Protein 1 Human Recombinant*  
RCP0641

## Product Overview

Name DKK1 Human

### Description

Dickkopf-Related Protein 1 Human Recombinant

Accession (Primary) [O94907](#)

### Synonyms

DKK-1, DKK1, HDKK1, HDKK-1, Dickkopf-1, Dickkopf-related protein 1, SK.

### Introduction

DKK1 is part of the dickkopf family. DKK1 is a secreted protein with 2 cysteine rich regions and takes part in embryonic development through its inhibition of the WNT signaling pathway. High levels of DKK1 in bone marrow plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma. Induction of DKK1 contributes to the pathological cascade triggered by beta-amyloid and is significantly involved in the development of tau phosphorylation. DKK1 reduces the differentiation of osteoblastic precursor cells. DKK1 is an important member in multiple myeloma bone disease. DKK1 expression is reduced in human colon tumors, implying that DKK-1 plays a role as a tumor suppressor gene in this neoplasia; the Wnt/beta-catenin pathway is downregulated by the induction of DKK1 expression, a mechanism that is missing in colon cancer.

### Source

Sf9, Baculovirus cells.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

The DKK1 protein solution (0.25mg/ml) contains PBS (pH 7.4), 50% Glycerol, 2mM DTT, 2mM EDTA, & 0.1mM PMSF.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 85.0% as determined by SDS-PAGE.

### Amino acid sequence

ADP TLNSVLN SNAIKNLPPP LGGAAGHPGS AVSAAPGILY PGGNKYQTID NYQPYPCAED EECGTDEYCA  
SPTRGGDAGV QICLACRKRR KRMRHAMCC PGNKYCKNGIC VSSDQNHFRG EIEETITESF GNDHSTLDGY  
SRRTTLSSKM YHTKGQEGSV CLRSSDCASG LCCARHFWSK ICKPVLKEGQ VCTKHRRKGS HGLEIFQRCY  
CGEGLScriQ KDHHQASNSS RLHTCQRH SG RLVPRGSHHH HHH .

#### Precautions

DKK1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information:** ( [O94907](#) )