

Datasheet for ABIN2816987 **DKK1 Protein (AA 32-266)**

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Overview

Quantity:	2 µg
Target:	DKK1
Protein Characteristics:	AA 32-266
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Sequence:	Thr32 - His266, Accession # O94907
Characteristics:	Biological Activity: The ED50, as determined by inhibition of Wnt-3a induced alkaline phosphatase production using mouse MC3T3E1 cells, is less than 150 ng/mL.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.2 µm filtered

Target Details

Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Background:	Relevance: Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and

Target Details

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. {ECO:0000269|PubMed:22000856}.
Synonyms: Dickkopf-1, hDkk-1, SK

Molecular Weight: 25.8 kDa

UniProt: [O94907](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 20 mM PB, pH 7.4, 150 mM NaCl

Storage: -20 °C