DKK-3 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P77640
Synonyms:	Dickkopf-3; Dkk3; REIC; REICdkk-3; RIG; RIG-like 5-6; RIG-like 7-1; AW061014; C87148
Species:	Human
Source:	HEK293
Accession:	Q9UBP4 (P23-I350)
Gene ID:	27122
Molecular Weight:	50-70 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The DKK-3 protein functions as an antagonist of canonical Wnt signaling by impeding the interaction between LRP5/6 and Wnt and forming a ternary complex with the transmembrane protein KREMEN, facilitating the internalization of LRP5/6. Within vertebrate development, DKKs, including DKK-3, play a crucial role by locally inhibiting Wnt-regulated processes such as antero-posterior axial patterning, limb development, somitogenesis, and eye formation. In the adult, DKKs are implicated in diverse physiological and pathological conditions, encompassing bone formation, bone disease, cancer, and Alzheimer's disease (By similarity). Notably, DKK-3's interaction with LRP5 and LRP6 highlights its regulatory involvement in inhibiting Wnt signaling and its potential impact on various cellular processes.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA