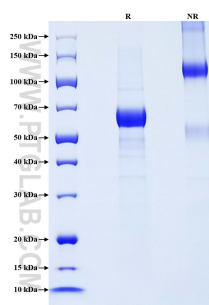


Catalog Number: Eg2606

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Rat DKK1 protein Thr32-His270 (Accession# A6I0Z0) with a rabbit IgG Fc tag at the C-terminus. GeneID: 293897 Accession: A6I0Z0 Predicted Molecular Mass: 52.0 kDa SDS-PAGE: 58-70 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Dickkopf-1 (DKK1) acts as a natural inhibitor of Wnt/ β -catenin pathway, directly binds to the LRP5/6 receptor and Kremen-1/2, leading to internalization of the receptor complex and dampening of Wnt/ β -catenin signaling. Dkk1 is abnormally expressed in tumor cells, and abnormal expression of Dkk1 can inhibit cell proliferation or induce apoptosis through pro-apoptotic factors. In vivo, knocking down of DKK1 in the local site of femoral heads in AONFH rats could result in enhanced bone formation and even restoring the blood supply of the femoral heads.		
References	1. D'Amico L, et al. (2016). J Exp Med. May 2;213(5):827-840. 2. Chen J, et al. (2021). Am J Transl Res. Apr 15;13(4):2320-2330. 3. Zhu G, et al. (2021). Cancer Manag Res. Jan 25;13:659-675.		
Synonyms	Dickkopf WNT signaling pathway inhibitor 1, Dickkopf-like protein 1 , DKK1		

Selected Validation Data



Purity of Recombinant Rat Dkk1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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