HUMAN DKK1 PROTEIN, HFC TAG

Cat.#: 11248
Product Name: Human DKK1 Protein
Size : 10 μg, 50 μg and 100 μg
Synonyms: DKK-1;SK
Target: DKK1
UNIPROT ID: O94907
Description: Recombinant human DKK1 Protein with C-terminal human Fc tag
Background: This gene encodes a member of the dickkopf family of proteins. Members of this family are secreted proteins characterized by two cysteine-rich domains that mediate protein-protein interactions. The encoded protein binds to the LRP6 co-receptor and inhibits beta-catenin-dependent Wnt signaling. This gene plays a role in embryonic development and may be important in bone formation in adults. Elevated expression of this gene has been observed in numerous human cancers and this protein may promote proliferation, invasion and growth in cancer cell lines.
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 51.9 kDa after removal of the signal peptide.The apparent molecular mass of DKK1-hFC is approximately 70 kDa due to glycosylation.
Molecular Characterization: DKK1(Thr32-His266) hFc(Glu99-Ala330)
Purity: The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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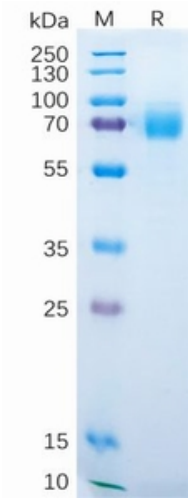


Figure 1. Human DKK1 Protein, hFc Tag on SDS-PAGE under reducing condition.

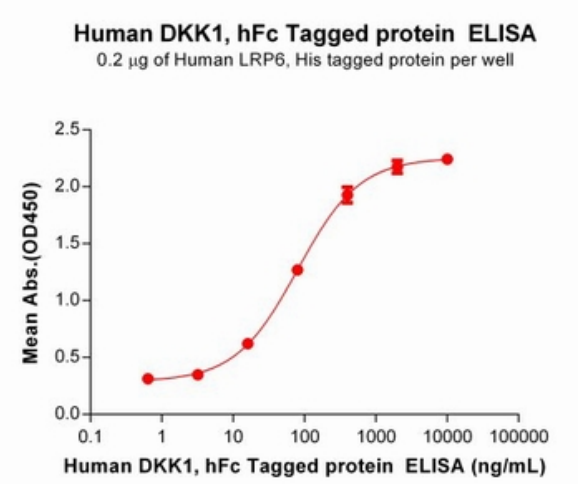


Figure 2. ELISA plate pre-coated by 5 μg/ml (100 μl/well) Human LRP6 Protein, His Tag (11853) can bind Human DKK1 Protein, hFc Tag(11248) in a linear range of 16-400ng/mL.

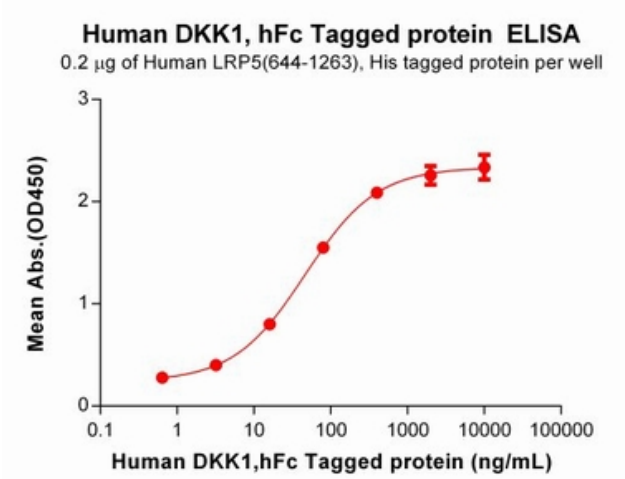


Figure 3. ELISA plate pre-coated by 5 μg/ml (100 μl/well) Human LRP5(644-1263)Protein, His Tag can bind Human DKK1 Protein, hFc Tag(11248) in a linear range of 16-400ng/mL.

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