HUMAN DKK2 PROTEIN, HFC TAG

Cat.#: 11730

Product Name: Human DKK2 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: DKK-2

Target: DKK2

UNIPROT ID: Q9UBU2

Description: Recombinant Human DKK2 with C-terminal human Fc tag

Background: This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6). [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 51.2 kDa after removal of the signal peptide. The apparent molecular mass of DKK2-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: DKK2(Lys34-Ile259) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% 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.

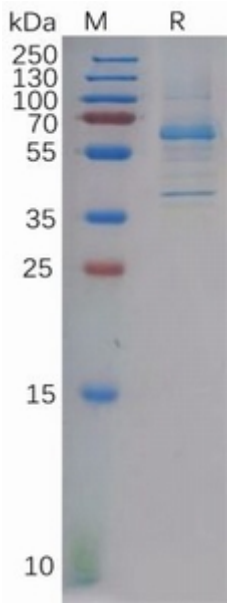

Figure 1. Human DKK2 Protein, hFc Tag on SDS-PAGE under reducing condition.