

HUMAN LRP6 PROTEIN, HIS TAG

目录: 11853

产品名称: Human LRP6 Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: ADCAD2;STHAG7

Target: LRP6

UNIPROT ID: O75581

描述: Recombinant Human LRP6 Protein with C-terminal 6xHis tag

背景: This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.[provided by RefSeq, Dec 2009]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 153.1 kDa after removal of the signal peptide. The apparent molecular mass of LRP6-His is approximately 130-250 kDa due to glycosylation.

Molecular Characterization: LRP6(Ala20-Ala1370) 6xHis tag

纯化: The purity of the protein is greater than 85% 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.

储存和运输: 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.

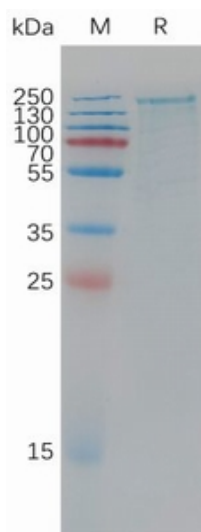


Figure 1. Human LRP6 Protein, His Tag on SDS-PAGE under reducing condition.

Human LRP6, His Tagged protein ELISA
0.2 µg of Human LRP6, His tagged protein per well

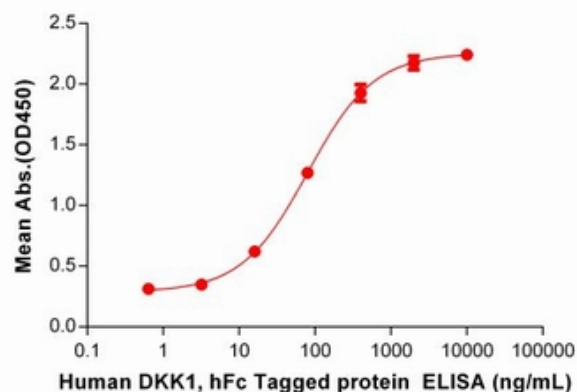


Figure 2. ELISA plate pre-coated by 5 µg/ml (100 µl/well) Human LRP6 Protein, His Tag (11853) can bind Human DKK1 Protein, hFc Tag(11248) in a linear range of 16-400ng/mL.