

Recombinant Human LRP-5 Protein, hFc Tag

产品信息

产品名称	产品编号	规格
Recombinant Human LRP-5 Protein, hFc Tag	94313ES60	100 µg
	94313ES76	500 µg
	94313ES80	1 mg

产品描述

The LDL receptor-related proteins LRP-5 and LRP-6 constitute a distinct subgroup of the LDL receptor family. Both are widely expressed type I transmembrane proteins that function as Wnt co-receptors with Frizzled proteins in the beta-catenin signaling pathway. Both also play critical roles in gastrulation and skeletal patterning during development. LRP-5/6 associates with Wnt/Frizzled complexes, triggering phosphorylation of its intracellular PPPS motifs, binding of Axin, and propagation of beta-catenin signals.

产品性质

Synonyms	LRP-5; LRP-7; LR3; BMND1; BMND1OPTA1; EVR1; EVR4; HBM; LR3VBCH2; LRP5; LRP7; OPPG; OPS; OPTA1; VBCH2
Uniprot No.	O75197-1
Source	Recombinant Human LRP-5 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Glu644-Gln1263.
Molecular Weight	The protein has a predicted MW of 96.51 kDa. Due to glycosylation, the protein migrates to 100-115 kDa based on Tris-Bis PAGE result.
Purity	> 95% as determined by SDS-PAGE and HPLC.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with dry ice and can be stored at -25~-15°C for 1 year.

2-7 days, 2 ~ 8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

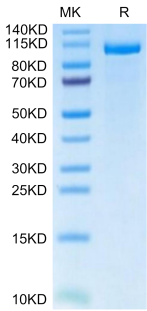
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

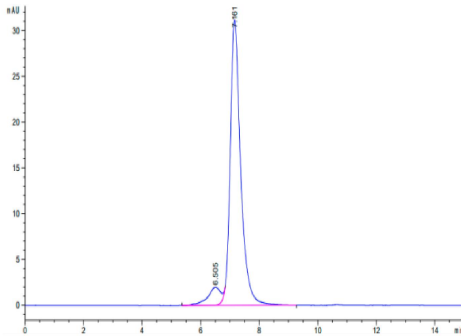
产品数据

Tris-Bis PAGE



Human LRP-5 on Tris-Bis PAGE under reduced condition.
 The purity is greater than 95%.

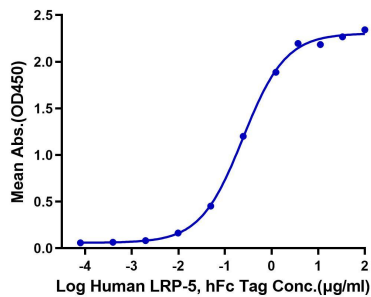
SEC-HPLC



The purity of Human LRP-5 is greater than 90% as determined by SEC-HPLC.

ELISA Data

Human LRP-5, hFc Tag ELISA
 0.2 μ g Human DKK1, His Tag Per Well



Immobilized Human DKK1, His Tag at 2 μ g/ml (100 μ l/well) on the plate. Dose response curve for Human LRP-5, hFc Tag with the EC₅₀ of 0.24 μ g/ml determined by ELISA.