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LRP11
Recombinant Human LDL Receptor-related Protein 11 (His Tag)

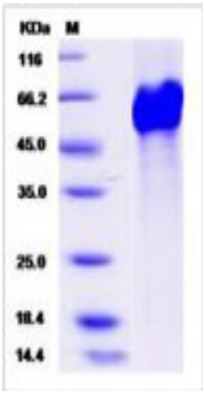
Catalog No.	CRH723A-His CRH723B-His	**Quantity:**	20 µg 100 µg
Alternate Names:	Low-density lipoprotein receptor-related protein 11, LRP-11		
Description:	Low-density lipoprotein receptor-related protein 11 is a newly described member of the LRP family. Many studies have reported that family members LRP1 and LRP1B serve as prognostic markers in colon cancer, breast cancer, thyroid cancer, urothelial and clear-cell renal cell carcinoma that they play important roles in carcinogenesis. Prostate cancer is associated with abnormal cholesterol metabolism and the LRP family is essential for the homeostasis of cholesterol. Expression of LRP11 was up-regulated in prostate cancer compared to paired normal tissues. LRP11 expression was higher in high-grade squamous intraepithelial lesions (HSIL) and cervical cancer tissue than in normal cervix, and high expression of LRP11 was associated with differentiation degree. Recent analysis has concluded that LRP11 plays important roles in proliferation, migration and invasion, with the potential to be a useful prognostic marker and therapeutic target for patients with HSIL and cervical cancer.		
UniProt ID:	Q86VZ4-1		
Protein Construction:	A DNA sequence encoding the human LRP11 (Met1-Gly450) was expressed with a C-terminal polyhistidine tag.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The rhLRP11 consists of 424 aa with a predicted MW of 45.3 kDa and migrates at ~51 -65 kDa in SDS-PAGE under reducing conditions, due to glycosylation.		
Purity:	> 95 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Ala 38		
Reconstitution:	**Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**		

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

SDS-PAGE



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