

LRPAP1

Recombinant Human LRPAP1, Active, C-His Tag

Catalog No.	CSI19909A	Quantity:	100 µg
Alternate Names:	Alpha-2-macroglobulin receptor-associated protein, Alpha-2-MRAP, Low density lipoprotein receptor-related protein-associated protein 1, RAP		
Description:	<p>Receptor-associated protein (RAP) is a molecular chaperone for low-density lipoprotein receptor-related protein (LRP), which plays a key role in cholesterol metabolism. The lipoprotein receptor-related protein (LRP) is an endocytic receptor for several ligands, such as alpha2-macroglobulin (alpha2 M) and apolipoprotein E. LRP is involved in the clearance of lipids from the bloodstream and is expressed in the atherosclerotic plaque. It is a receptor antagonist that interacts with several members of the low-density lipoprotein (LDL) receptor gene family. Upon binding to these receptors, LRPAP1 inhibits all ligand interactions with the receptors. LRPAP1 is present on the cell surface forming a complex with the alpha-2-macroglobulin receptor heavy and light chains. It binds with LRP1B and the binding is followed by internalization and degradation. LRPAP1 interacts with LRP1/alpha-2-macroglobulin receptor and LRP2 (previously called glycoprotein 330) and may be involved in the pathogenesis of membrane glomerular nephritis.</p>		
UniProt ID:	P30533		
Source:	HEK293 cells		
Molecular Weight:	39 kDa predicted, 43 kDa on reduced SDS-PAGE		
Formulation:	Lyophilized from sterile filtered PBS, pH 7.4		
Purity:	> 92% determined by reducing SDS-PAGE		
Endotoxin Level:	< 1.0 EU/µg as determined by LAL analysis		
Reconstitution:	Reconstitute with sterile filtered deionized water to 0.25 mg/ml.		
Storage & Stability:	<p>Store lyophilized protein for up to 1 year at -20°C to -80°C. Reconstituted protein may be stored for up to 1 week at 2-8°C or as aliquots at -20°C to -80°C for 3 months.</p> <p>Avoid repeated freeze/thaw cycles.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.