Recombinant Human Galactolipase/PLRP2 Protein (His Tag)



Catalog Number: PKSH030573

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description		
Synonyms	Pancreatic Lipase-Related Protein 2;PL-RP2;Galactolipase;PNLIPRP2;PLRP2	
Species	Human	
Expression Host	HEK293 Cells	
Sequence	Met 1-Cys469	
Accession	P54317	
Calculated Molecular Weight	51.5 kDa	
Observed molecular weight	57 kDa	
Tag	C-His	
Properties		
Purity	> 95 % as determined by reducing SDS-PAGE.	
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.	
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.	
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.	
Formulation	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.	
Reconstitution	Please refer to the printed manual for detailed information.	
Data		

KDa	MK	R
116	-	
66.2	-	-
45.0	-	
35.0	-	
25.0	-	
18.4 14.4	=	

> 95 % as determined by reducing SDS-PAGE.

Background

Galactolipase; also known as PNLIPRP2; is a lipase with broad substrate specificity. It can hydrolyze both phospholipids and galactolipids. Galactolipase acts preferentially on monoglycerides; phospholipids and galactolipids. It also hydrolyses milk fat with a lower catalytic efficiency. The expressed galactolipase shows a lipolytic activity that is; however; only marginally dependent on the presence of colipase. The lipolytic activity of pancreatic extracts and human pancreatic juice on Labrasol is mainly due to the combined action of carboxyl ester hydrolase and galactolipase.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com