Recombinant Human TRAPPC8 protein (His Tag)

Catalog Number: PDEH100910

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

Description		
Species	Human	
Source	E.coli-derived Human TRAPPC8 protein Gly100-Gln250, with an N-terminal His & C-	
	terminal His	
Calculated MW	16.5 kDa	
Observed MW	20 kDa	
Accession	Q9Y2L5-1	
Bio-activity	Not validated for activity	
Properties		
Purity	> 95% as determined by reducing SDS-PAGE.	
Endotoxin	< 10 EU/mg 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 $< -20^{\circ}C$ for 3 months.	
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.	
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%	
	Mannitol.	
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of	
	0.5 mg/mL. Concentration is measured by UV-Vis.	

Data

KDa	М	R
135 100 75		
65		
45		
35		
25		
		-
15	-	

> 95 % as determined by reducing SDS-PAGE.

Background

The transport protein particle (TRAPP) complex was initially identified as a tethering factor for COPII vesicle.

Subsequently, three forms (TRAPPI, II, and III) have been found and TRAPPIII has been reported to serve as a regulator in autophagy. This study investigates a new role of mammalian TRAPPIII in ciliogenesis. We found a ciliopathy protein, oral-facial-digital syndrome 1 (OFD1), interacting with the TRAPPIII-specific subunits TRAPPC8 and TRAPPC12. TRAPPC8 is necessary for the association of OFD1 with pericentriolar material 1 (PCM1).

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