Biotinylated Human/Mouse/Goat Cpn10/HSPE1 Protein

Cat. No. HSP-HE4E1B

Description

Source	Recombinant Biotinylated Human/Mouse/Goat Cpn10/HSPE1 Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus.
	It contains Ala2-Asp102.
Accession	XP_005676362
Molecular Weight	The protein has a predicted MW of 13.70 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

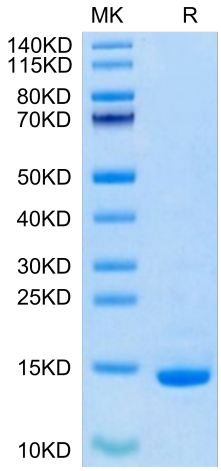
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Cpn10/HSPE, a 10-kDa heat shock protein, is a novel interacting partner of NPAT. A pool of Cpn10 is colocalized with NPAT foci during G1 and S phases in nuclei.Cpn10 is important for S phase progression and cell proliferation. Interaction of Heat Shock Protein Cpn10 with the Cyclin E/Cdk2 Substrate Nuclear Protein Ataxia-Telangiectasia (NPAT) Is Involved in Regulating Histone Transcription

Assay Data

Tris-Bis PAGE



Biotinylated Human/Mouse/Goat Cpn10 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.