

# Biotinylated Human/Mouse/Goat Cpn10/HSPE1 Protein

Cat. No. HSP-HE4E1B

## Description

<b>Source</b>	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.
<b>Accession</b>	XP_005676362
<b>Molecular Weight</b>	The protein has a predicted MW of 13.70 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

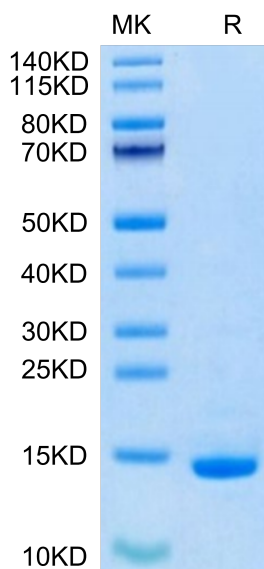
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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

### Bis-Tris PAGE



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