

# Biotinylated Human E-Cadherin/Cadherin 1 Protein, Ultra Low Endotoxin



Cat. No. CDH-HM401B-UL

Description	
Source	Recombinant Biotinylated Human E-Cadherin/Cadherin 1 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Asp155-Ala709.
Accession	P12830-1
Molecular Weight	The protein has a predicted MW of 63.43 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 150 mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

E-cadherin is the core component of epithelial adherens junctions, essential for tissue development, differentiation, and maintenance. It is also fundamental for tissue barrier formation, a critical function of epithelial tissues.

## Assay Data

### Bis-Tris PAGE



Biotinylated Human E-Cadherin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.