

# Biotinylated Human E-Cadherin/Cadherin-1 Protein

Cat. No. CDH-HM401B

## Description

<b>Source</b>	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.
<b>Accession</b>	P12830-1
<b>Molecular Weight</b>	The protein has a predicted MW of 63.43 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in 20 mM Tris, 150 mM NaCl (pH 8.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . 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

### Tris-Bis PAGE



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