

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



Cat. No. CDH-HM101-UL

Description

Source	Recombinant Human E-Cadherin/Cadherin 1 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Asp155-Ala709.
Accession	P12830-1
Molecular Weight	The protein has a predicted MW of 61.62 kDa. Due to glycosylation, the protein migrates to 70-80 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 > 90% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in 20mM Tris, 150mM 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

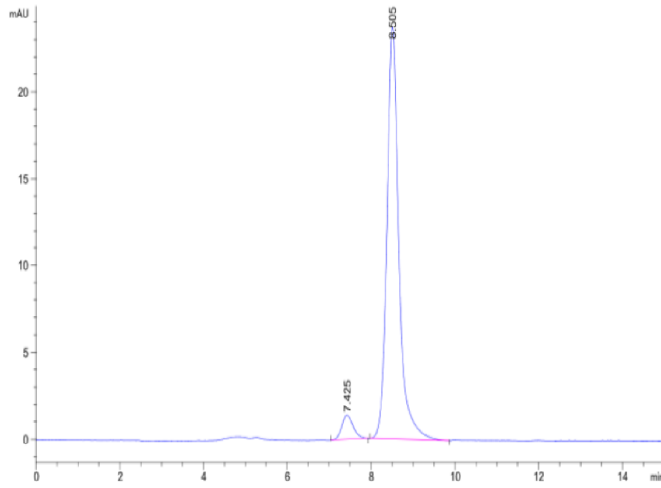
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



The purity of Human E-Cadherin is greater than 90% as determined by SEC-HPLC.