

Human CDH19 Protein

Cat. No. CDH-HE019



Description

Source	Recombinant Human CDH19 Protein is expressed from E.coli with MBP tag and Flag tag at the N-Terminus. It contains Gly44-His569.
Accession	Q9H159-1
Molecular Weight	The protein has a predicted MW of 100.89 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 > 95% as determined by HPLC

Formulation and Storage

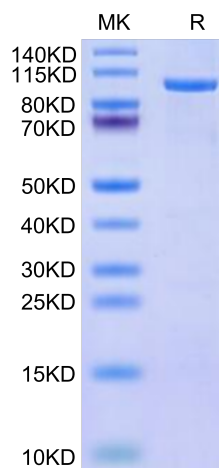
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

Cadherins play an important role in tissue homeostasis, as they are responsible for cell-cell adhesion during embryogenesis, tissue morphogenesis, differentiation and carcinogenesis. Cadherins are inseparably connected with catenins, forming cadherin-catenin complexes, which are crucial for cell-to-cell adherence. CDH19 is an evolutionarily conserved cadherin and may be involved in the early development of Schwann cells in the peripheral nervous system.

Assay Data

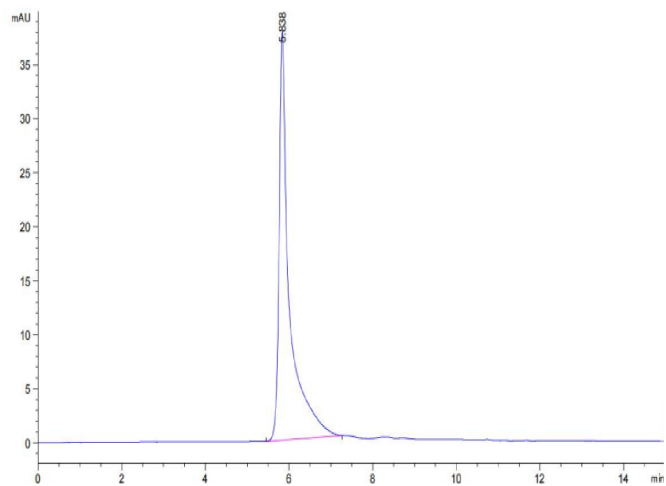
Tris-Bis PAGE



Human CDH19 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human CDH19 is greater than 95% as determined by SEC-HPLC.