

# Human CDH10/Cadherin-10 Protein

Cat. No. CDH-HM110

## Description

<b>Source</b>	Recombinant Human CDH10/Cadherin-10 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly55-Ala613.
<b>Accession</b>	Q9Y6N8
<b>Molecular Weight</b>	The protein has a predicted MW of 63.81 kDa. Due to glycosylation, the protein migrates to 72-82 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 PBS (pH 7.4).
<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

Cadherins are a large family of cell-cell adhesion molecules involved in inter-cellular adhesion in a wide variety of cell types. In the nervous system, cadherins are known to be crucial to all stages of development, including the early separation of the neural tube from the ectoderm, the segregation of neurones and axons, and the formation of synapses. Cadherin-10 was first partially cloned from human brain, but its mRNA has also been shown to be present in mouse thymus (designated T2-cadherin), mouse testis, and in the developing brain and eye of mouse, rat, and chick.

## Assay Data

### Tris-Bis PAGE



Human CDH10 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.