Human CDH9/Cadherin 9 Protein

Cat. No. CDH-HM109

Description

Source	Recombinant Human CDH9/Cadherin 9 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gly54-Ala615.
Accession	Q9ULB4
Molecular Weight	The protein has a predicted MW of 64.11 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE

Formulation and Storage

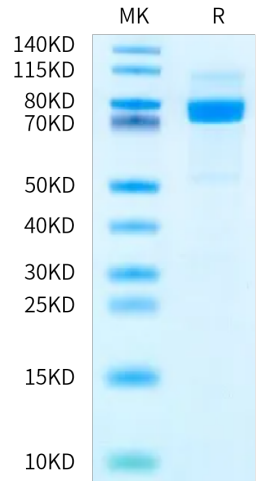
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

cadherin-9, a classic type II cadherin expressed exclusively by DG and CA3 neurons in the hippocampus (Bekirov et al., 2002), is required specifically for formation of DG but not CA1 or CA3 synapses in culture. In vivo, loss of cadherin-9 from either DG or CA3 neurons severely disrupts mossy fiber bouton and TE spine formation through trans-synaptic interactions.

Assay Data

Bis-Tris PAGE



Human CDH9 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.