

Mouse Nectin-4 Protein, Ultra Low Endotoxin

Cat. No. NEC-MM104-UL

Description

Source	Recombinant Mouse Nectin-4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly31-Ser347.
Accession	Q8R007-1
Molecular Weight	The protein has a predicted MW of 35.4 kDa. Due to glycosylation, the protein migrates to 40-50 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 > 95% as determined by HPLC

Formulation and Storage

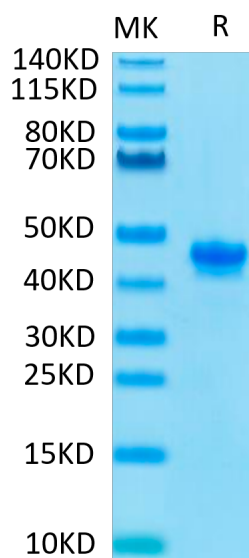
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

NECTIN-4 [a poliovirus receptor-related-4 (pvrl-4) encoded protein] is a Ca²⁺ independent immunoglobulin-like protein. Along with other Nectins (Nectin-1, -2 and -3), it is primarily involved in cell-cell adhesion. In contrast to other Nectins, Nectin-4 is specifically enriched in the embryonic and placental tissues but its expression significantly declines in adult life.

Assay Data

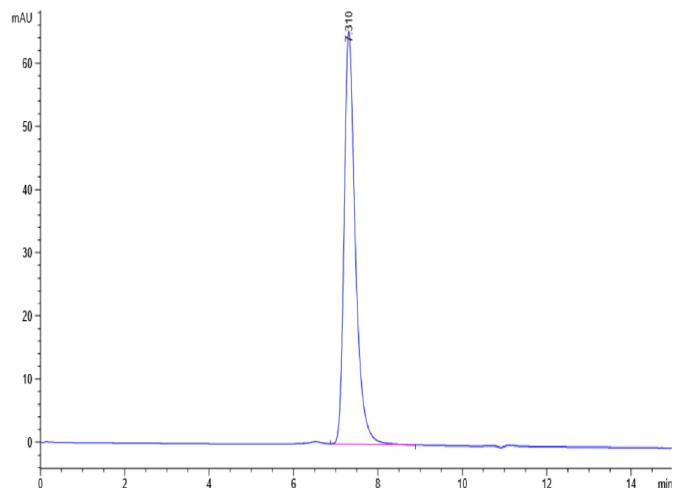
Bis-Tris PAGE



Mouse Nectin-4 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

Assay Data

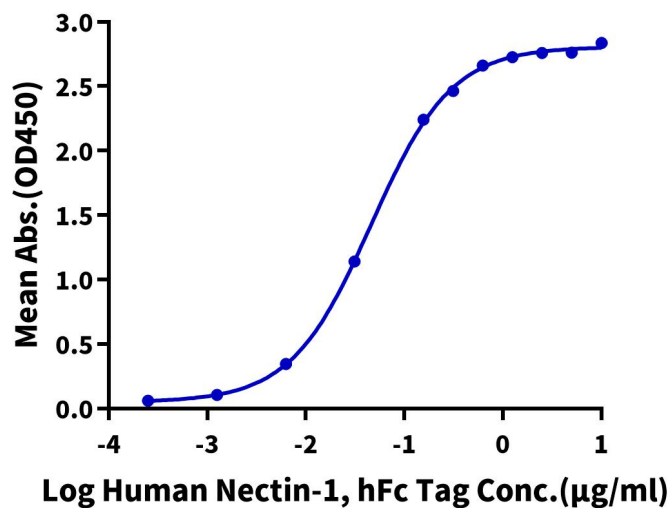


The purity of Mouse Nectin-4 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Mouse Nectin-4, His Tag ELISA

0.2µg Mouse Nectin-4, His Tag Per Well



Immobilized Mouse Nectin-4, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human Nectin-1, hFc Tag with the EC50 of 46.0ng/ml determined by ELISA (QC Test).