

Human Fibronectin (1266-1356) Protein

Cat. No. FIN-HM203

Description

Source	Recombinant Human Fibronectin (1266-1356) Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Glu1266-Thr1356.
Accession	P02751-13
Molecular Weight	The protein has a predicted MW of 36.47 kDa. Due to glycosylation, the protein migrates to 47-57 kDa based on 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

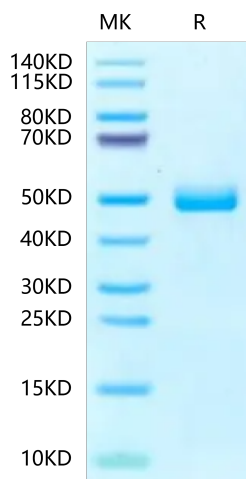
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized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

Fibronectin is a high molecular glycoprotein present in the blood, connective tissue and at cell surface. It is synthesized by many types of differentiated cells and is believed to be involved in the attachment of cells to the surrounding extracellular matrix. Fibronectin has affinity to the other main components of extracellular matrix, collagen and glycosaminoglycans.

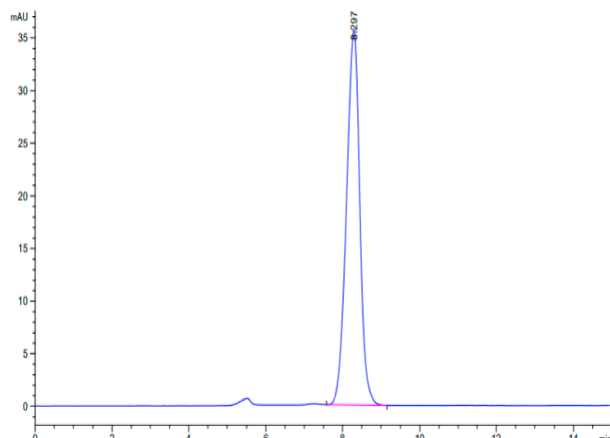
Assay Data

Tris-Bis PAGE



Human Fibronectin (1266-1356) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Fibronectin (1266-1356) is greater than 95% as determined by SEC-HPLC.