

Human LAYN Protein



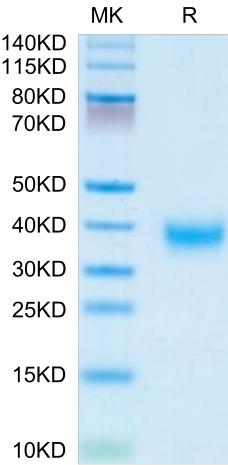
Cat. No. LAY-HM101

Description	
Source	Recombinant Human LAYN Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala22-Leu235.
Accession	Q6UX15-2
Molecular Weight	The protein has a predicted MW of 25.4 kDa. Due to glycosylation, the protein migrates to 35-42 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 0.22µm 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	
Layilin (LAYN) is a critical gene that regulates T cell function. LAYN is correlated with prognosis and immune infiltrating levels of, including those of CD8 T cells, CD4 T cells, macrophages, neutrophils, and DCs in multiple cancers, especially in colon and gastric cancer patients. In addition, LAYN expression potentially contributes to regulation of tumor-associated macrophages (TAMs), DCs, T cell exhaustion and Tregs in colon and gastric cancer.	

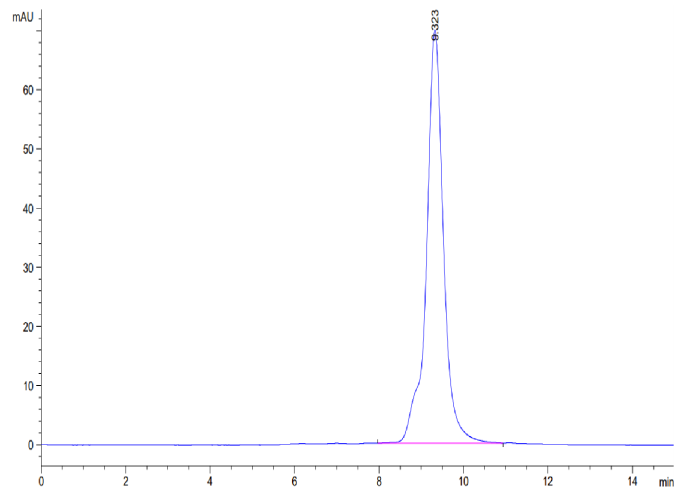
Assay Data	
Tris-Bis PAGE	



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

SEC-HPLC

Assay Data



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