

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 Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

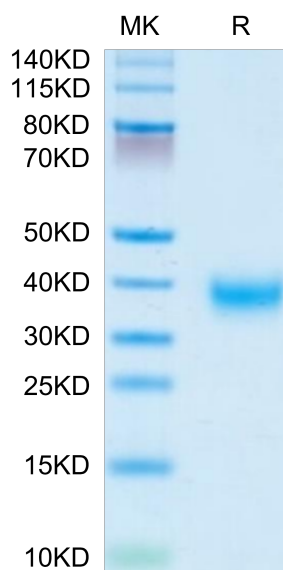
Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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

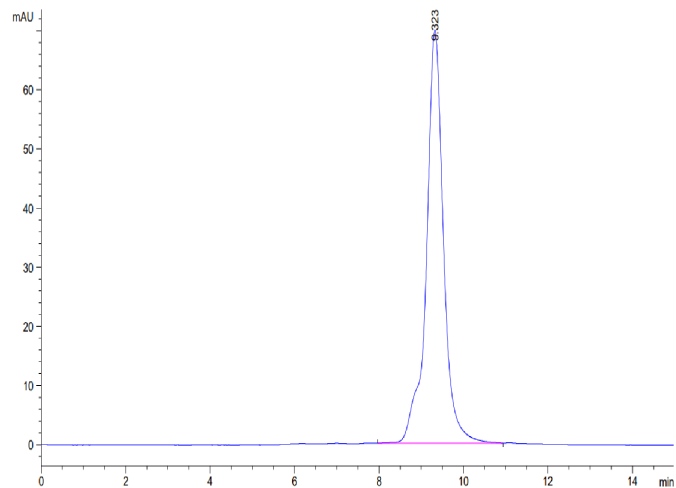
Bis-Tris PAGE



Human LAYN on Bis-Tris 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.