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Layilin Protein (LAYN) (AA 22-235) (His tag)

Images



Overview

Quantity:	100 μg
Target:	Layilin (LAYN)
Protein Characteristics:	AA 22-235
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Layilin protein is labelled with His tag.

Product Details

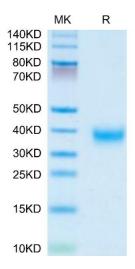
Purpose:	Human LAYN Protein
Sequence:	Ala22-Leu235
Characteristics:	Recombinant Human LAYN Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ala22-Leu235.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Layilin (LAYN)
Alternative Name:	LAYN (LAYN Products)

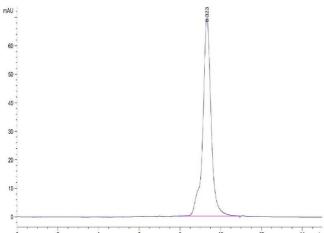
Target Details

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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.
Molecular Weight:	25.4 kDa. Due to glycosylation, the protein migrates to 35-42 kDa based on Tris-Bis PAGE result.
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human LAYN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human LAYN is greater than $95\,\%$ as determined by SEC-HPLC.