

# Recombinant human Layilin/LAYN protein

Catalog Number: ATGP2246

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

22-235aa

### UniProt No.

Q6UX15

### NCBI Accession No.

NP\_001245319

### Alternative Names

Layilin isoform 1, Layilin

## PRODUCT SPECIFICATION

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### Molecular Weight

26.7 kDa (237aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

LAYN, also known as Layilin, contains 1 c-type lectin domain. This protein is receptor for hyaluronate and interacts with NF2, RDX and TLN1. The C-terminal domain interacts with the N-terminal domain of RDX. Recombinant human LAYN protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSATGRLLS ASDLDLRGGQ PVCRRGTQRP CYKVIYFHDT SRRLNFEEAK EACRRDGGQL

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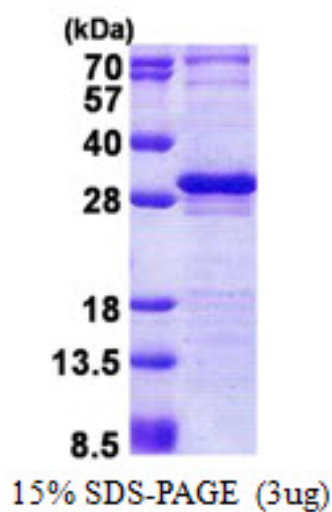
VSIESEDEQK LIEKFIENLL PSDGDFWIGL RRREEKQSNL TACQDLYAWT DGSISQFRNW YVDEPSCGSE VCVVMYHQPS  
APAGIGGPYM FQWNDDRCNM KNNFICKYSD EKPAVPSREA EGEETELTTP VLPEETQEED AKKTFKESRE AALNLAY

## General References

Bono P, Rubin K, et al. (2001). Mol Biol Cell. 12(4):891-900.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.