

Layilin/LAYN Protein, Human (220a.a, HEK293, His)

Cat. No.:	HY-P73839
Synonyms:	Layilin; LAYN; LYAN
Species:	Human
Source:	HEK293
Accession:	Q6UX15-2/NP_849156.1 (A22-E220)
Gene ID:	143903
Molecular Weight:	Approximately 27-34 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> A T G R L L S G Q P V C R G G T Q R P C Y K V I Y F H D T S R R L N F E E A K E A C R R D G G Q L V S I E S E D E Q K L I E K F I E N L L P S D G D F W I G L R R R E E K Q S N S T A C Q D L Y A W T D G S I S Q F R N W Y V D E P S C G S E V C V V M Y H Q P S A P A G I G G P Y M F Q W N D D R C N M K N N F I C K Y S D E K P A V P S R E A E G E E T E L T T P V L P E E T Q E E D A K K T F K E S R E </p>
Biological Activity	Measured by its binding ability in a functional ELISA. When LAYN is present at 5 µg/mL, the ED ₅₀ for this effect is 22.38 µg/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Layilin/LAYN serves as a receptor for hyaluronate, playing a crucial role in cellular interactions with this extracellular matrix component. Additionally, Layilin/LAYN interacts with NF2, RDX, and TLN1, suggesting its involvement in various cellular processes and signaling pathways mediated by these interacting proteins.
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Caution: Product has not been fully validated for medical applications. For research use only.

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