

Recombinant Human Laminin 521 Protein

Catalog No.: RPT0020LQ Recombinant 1 Publications

Sequence Information

Species Gene ID Swiss Prot

Human 3911&3913&

3915

Tags

Synonyms

Laminin 521

Product Information

Source Purification

Mammalian cells ≥ 90 % as determined by SDS-

PAGE.

Calculated MW Observed MW

Endotoxin

 $< 0.5 \; \text{EU/}\mu\text{g}$ of the protein by LAL method.

Formulation

Supplied as $0.2 \mu m$ filtered solution in PBS, pH7.4 with glycerol as protectant.

Reconstitution

Background

Laminin 521, a heterotrimeric glycoprotein composed of one alpha 5, one beta 2 and one gamma 1 chain, is a defined matrix for feeder-free culture of human embryonic (hES) and induced pluripotent (hiPS) stem cells. When used in combination with defined maintenance media, Laminin 521 reliably facilitates self-renewal of human hES and hiPS cells without spontaneous differentiation.

Basic Information

Description

Bio-Activity

Human Laminin 521 Protein, premium grade (Cat. No. RPT0020LQ) immobilized on CM5 Chip can bind Human ITGA6&ITGB1 Heterodimer Protein, His Tag&Tag Free with an affinity constant of 2.55 nM as determined in a SPR assay .

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C. The product MUST be stored at -70°C or lower upon receipt;-70°C for 3 months under sterile conditions.

Avoid repeated freeze/thaw cycles.

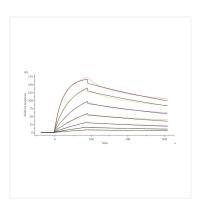
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Human Laminin 521 Protein, premium grade (Cat. No. RPT0020LQ) immobilized on CM5 Chip can bind Human ITGA6&ITGB1 Heterodimer Protein, His Tag&Tag Free with an affinity constant of 2.55 nM as determined in a SPR assay .