

Recombinant Human Laminin 521 Protein (PG)

Catalog No.: RPT0020LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3911&3913& 3915	

Tags

Synonyms

Laminin 521

Product Information

Source	Purification
Mammalian cells	> 95% by SDS- PAGE.

Calculated MW **Observed MW**

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4. Contact us for customized product form or formulation.

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

1.Supports stable self-renewal of hPSCs.|2.Improved recovery and survival following passage of singularized PSCs in the absence of ROCK inhibitors.|3.MSC and other stem cell culture.|4.Maintain the differentiation potential of cells in long-term culture.|5.Other related applications.

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

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