

Human Laminin 523 Protein, premium grade

Catalog # LA3-H5217



Product Details

Laminin 523 (LN523) is a key recombinant basement membrane protein that provides an ideal surface for the adhesion and growth of human pluripotent stem cells while significantly promoting their directed differentiation. Particularly in ophthalmology, it effectively guides the differentiation of stem cells into retinal progenitor cells and supports the formation of retinal organoids containing photoreceptor precursors, while also facilitating the generation and maturation of corneal epithelial cells. It serves as an essential substrate for studying visual development and disease mechanisms.

Expression System

HEK293

Key Parameter

Purity (SDS PAGE)	> 90%
Mycoplasma Test	Negative
Sterility Test	Negative
Endotoxin Test	<0.01 EU per µg
Host Cell Protein	<0.5 ng/µg
Host Cell DNA	<0.02 ng/µg

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

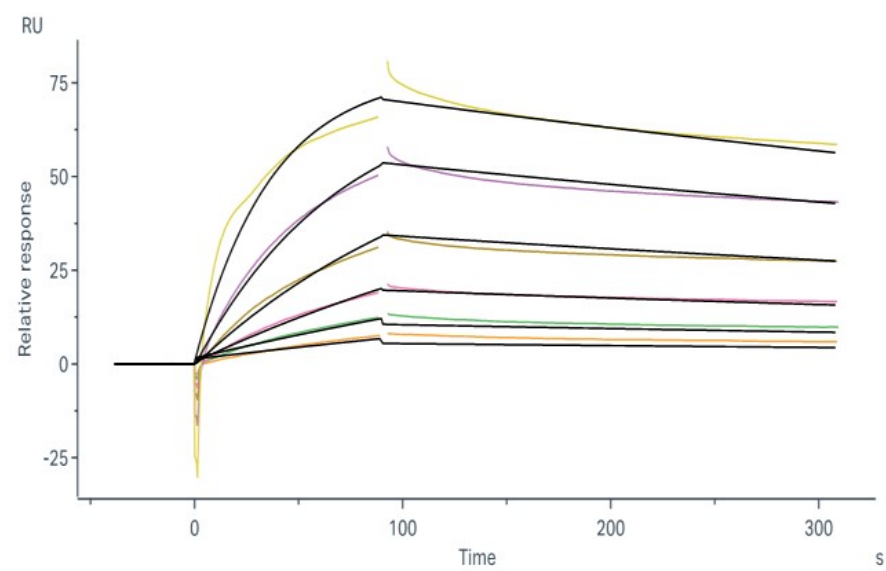
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-SPR



Human Laminin 523 Protein, premium grade (Cat. No. LA3-H5217) immobilized on CM5 Chip can bind Human Integrin alpha 6 beta 1 (ITGA6&ITGB1) Heterodimer Protein, His Tag&Tag Free with an affinity constant of 98.1 nM as determined in a SPR assay (Biacore 8K) (QC tested).

Discounts, Gifts,
and more!



www.acrobiosystems.com