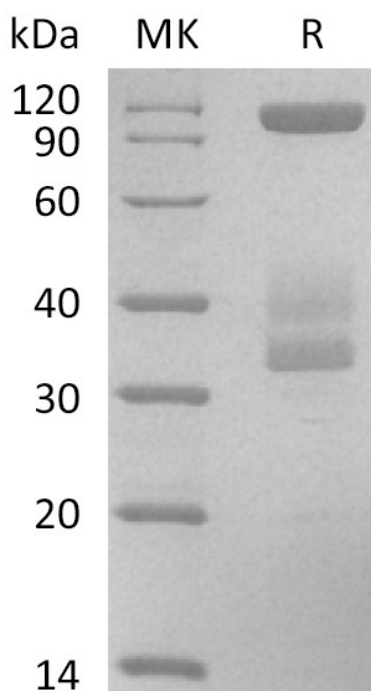


## Summary

<b>Name</b>	Laminin511 E8
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<0.01 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Laminin511 is produced by our Mammalian expression system and the target gene encoding Ala2534-Ala3323&Leu1561-Leu1786&Asn1364-Pro1609 is expressed with a His, Flag and HA tag at N terminus respectively.
<b>Accession #</b>	O15230&P07942&P11047
<b>Host</b>	Human cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	86.7&26.4&28.5 KDa
<b>Formulation</b>	Lyophilized from 0.2 μm filtered solution of PBS, pH7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

**Product Name: Recombinant Human Laminin511 E8 Protein**  
**Catalog #: PHH2460**



### Alternative Names

Laminin 511; LN511

### Background

Laminins are large molecular weight glycoproteins constituted by the assembly of three disulfide-linked polypeptides, the  $\alpha$ ,  $\beta$  and  $\gamma$  chains. The human genome encodes 11 genetically distinct laminin chains. Structurally, laminin chains differ by the number, size and organization of a few constitutive domains, endowing the various members of the laminin family with common and unique important functions. In particular, laminins are indispensable building blocks for cellular networks physically bridging the intracellular and extracellular compartments and relaying signals critical for cellular behavior, and for extracellular polymers determining the architecture and the physiology of basement membranes. Laminins are glycoproteins with both common and specific functions. One common and most important function of laminins is to interact with receptors anchored in the plasma membrane of cells adjacent to basement membranes. In doing so laminins regulate multiple cellular activities and signaling pathways. There are more than 50 theoretically possible heterotrimeric associations between all the  $\alpha$ ,  $\beta$  and  $\gamma$  chains. laminins 511 and 521, are the most ubiquitous isoforms in the adult organism.

### Note

For Research Use Only , Not for Diagnostic Use.