

Active Recombinant Human LAMA1 protein, Fc-tagged

Cat. No. LAMA1-0345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA1 protein(Phe1878-Gln2700(LamininIpha1E8)&Asp1714-Leu1786(Lamininbeta1E8)&Asp1528-Pro1609(Laminingamma1E8)), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1878-2700 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 51 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human Laminin 111 E8, Fc Tag at 5 µg/mL (100 µL/well) can bind Human ITGA7X2B&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.02-0.313 µg/mL. Immobilized Human ITGA6&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Human Laminin 111 E8, Fc Tag with a linear range of 0.5-31 ng/mL. Immobilized Human ITGA7X2B&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Human Laminin 111 E8, Fc Tag with a linear range of 0.2-2 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminusThe protein has a calculated MW of 92.2 kDa 35 kDa 35.6 kDa. The protein migrates as 70-80 kDa and 116-125 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

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Proteinlength	Phe1878-Gln2700(Lamininlpha1E8)&Asp1714-Leu1786(Lamininbeta1E8)&Asp1528-Pro1609(Laminin gamma1E8)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LAMA1 laminin, alpha 1 [Homo sapiens]
Official Symbol	LAMA1
Synonyms	LAMA1; laminin, alpha 1; LAMA; laminin subunit alpha-1; S-LAM alpha; laminin A chain; S-laminin subunit alpha; laminin-3 subunit alpha; S-LAM-alpha;
Gene ID	284217
mRNA Refseq	NM_005559
Protein Refseq	NP_005550

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MIM	150320
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