

Active Recombinant Human LAMA5 protein, Fc-tagged

Cat. No. LAMA5-0356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA5 protein(Glu2655-Ala3327(Lamininalpha5E8)&Asp1714-Leu1786(Lamininbeta1E8)&Asp1528-Pro1609(Laminin gamma1E8)), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	2655-3327;1714-1786;1528-1609 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human ITGA6&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Human Laminin 511 E8, Fc Tag with a linear range of 0.1-4 ng/mL. Immobilized Human ITGA3&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Human Laminin 511 E8, Fc Tag with a linear range of 0.1-4 ng/mL.
Molecular Mass	Human Laminin 511 E8, Fc Tag, produced by co-expression of Laminin alpha5E8, Laminin beta1E8 and Laminin gamma1E8, has a calculated MW of 76.7 kDa, 35.0 kDa and 35.7 kDa. The non-reducing (NR) protein migrates as 40-46 kDa (subunit Laminin beta1E8 and subunit Laminin gamma1E8) and 80 kDa (subunit Laminin alpha5E8) respectively due to glycosylation.

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Proteinlength	Glu2655-Ala3327(Lamininalpha5E8)&Asp1714-Leu1786(Lamininbeta1E8)&Asp1528-Pro1609(Laminingamma1E8)
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	LAMA5 laminin, alpha 5 [Homo sapiens]
Official Symbol	LAMA5
Synonyms	LAMA5; laminin, alpha 5; laminin subunit alpha-5; laminin alpha-5 chain; laminin-10 subunit alpha; laminin-11 subunit alpha; laminin-15 subunit alpha; KIAA1907;
Gene ID	3911
mRNA Refseq	NM_005560
Protein Refseq	NP_005551
MIM	601033

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UniProt ID

O15230

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