

Active Recombinant Human LAMA5 protein, Fc-tagged

Cat. No. LAMA5-0375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA5 protein(Glu2655–Ala3327(Lamininalpha5E8)&Leu1573-Gln1798(Lamininbeta2E8)&Asp1528–Pro1609(Laminingamma1E8)), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1573-1798 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human Laminin 521 E8, Fc Tag at 5 µg/mL (100 µL/well) can bind Human ITGA6&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.01-0.156 µg/mL. Immobilized Human Laminin 521 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.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminusThe protein has a calculated MW of 76.7 kDa 51.3 kDa 35.6 kDa. The protein migrates as 92-97 kDa and 100-116 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu2655–Ala3327(Lamininalpha5E8)&Leu1573-Gln1798(Lamininbeta2E8)&Asp152

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	8-Pro1609(Laminingamma1E8)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% 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

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