

Active Recombinant Human LAMA2 protein, Fc-tagged

Cat. No. LAMA2-0367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA2 protein(Leu1900-Ala2722(Laminin α 2E8)&Leu1573-Gln1798(Laminin β 2E8)&Asn1364-Pro1609(Laminin γ 1E8)), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1900-2722;1573-1798;1364-1609 a.a.
Form	Lyophilized from 0.22 μ m filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ITGA7X2B&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 μ g/mL (100 μ L/well) can bind Human Laminin 221 E8, Fc Tag with a linear range of 0.2-20 ng/mL. Immobilized Human Laminin 221 E8, Fc Tag at 5 μ g/mL (100 μ L/well) can bind Human ITGA7X2B&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.02-0.313 μ g/mL.
Molecular Mass	The non-reducing (NR) protein migrates as 118-130 kDa due to glycosylation.
Proteinlength	Leu1900-Ala2722(Laminin α 2E8)&Leu1573-Gln1798(Laminin β 2E8)&Asn1364-Pro1609(Laminin γ 1E8)

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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	LAMA2 laminin, alpha 2 [Homo sapiens]
Official Symbol	LAMA2
Synonyms	LAMA2; laminin, alpha 2; LAMM; laminin subunit alpha-2; congenital muscular dystrophy; merosin; laminin M chain; merosin heavy chain; laminin-2 subunit alpha; laminin-4 subunit alpha; laminin-12 subunit alpha;
Gene ID	3908
mRNA Refseq	NM_000426
Protein Refseq	NP_000417
MIM	156225
UniProt ID	P24043

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