Active Recombinant Human LAMA3 & LAMB3 & LAMC2 protein

Cat. No. LAMA3/LAMB3/LAMC2-512H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA3 & LAMB3 & LAMC2 was purified from 184A1 human mammary epithelial cell conditioned media. Filter Sterile, both processed and unprocessed forms are present.
Species	Human
Description	Laminin 332 (formerly laminin 5) is a heterotrimeric basement membrane protein composed of the alpha3, beta3 and gamma2 chains of laminin. It is expressed in skin, breast and other tissues, where it is involved in formation of hemidesmosomes and wound healing. Laminin 332 has been implicated in cancer progression. In breast cancer, laminin 332 has been identified as a microenvironmental protein which can act as a motility factor.
Form	150 mM NaCl, 10 mM Tris, pH 7.4
Bio-activity	10 ug/mL will induce scattering of 50% of MCF-7 cells after 24 hour incubation.
Molecular Mass	450 kDa, unprocessed
Purity	Approximately 90%, Assessed by SDS PAGE.
Storage	Storage Temperature: -20 centigrade or lower (Thawed protein retains activity for 1 month if stored at 4 centigrade).

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GENE INFORMATION

Gene Name	LAMA3 laminin subunit alpha 3 [Homo sapiens]
Official Symbol	LAMA3
Synonyms	E170; LOCS; BM600; LAMNA; BM600 150kD subunit; LAM3, alpha-3 subunit; epiligrin 170 kda subunit; epiligrin alpha 3 subunit; kalinin 165kD subunit; kalinin subunit alpha; laminin 5, alpha-3 subunit; laminin A3; laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin); laminin-5 alpha 3 chain; laminin-5 subunit alpha; laminin-6 subunit alpha; laminin-7 subunit alpha; nicein 150kD subunit; nicein subunit alpha
Gene ID	3909
mRNA Refseq	NM_198129
Protein Refseq	NP_937762
MIM	
UniProt ID	Q16787
Chromosome Location	18q11.2
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Anchoring fibril formation, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem
Function	receptor binding; structural molecule activity

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