

Recombinant Human LAMA5 cell lysate

Cat. No. LAMA5-968HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Components of the extracellular matrix exert myriad effects on tissues throughout the body. In particular, the laminins, a family of heterotrimeric extracellular glycoproteins, affect tissue development and integrity in such diverse organs as the kidney, lung, skin, and nervous system. It is thought that laminins mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Laminins function as heterotrimeric complexes of alpha, beta, and gamma chains, with each chain type representing a different subfamily of proteins. The protein encoded by this gene belongs to the alpha subfamily of laminin chains and is a major component of basement membranes. Two transcript variants encoding different isoforms have been found for this gene, but the full-length nature of one of them has not been determined.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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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
UniProt ID	O15230
Chromosome Location	20q13.2-q13.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem;
Function	binding; integrin binding; structural molecule activity;

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