Recombinant Human LAMA5 Protein, His-tagged

Cat. No. LAMA5-2384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA5 Protein (Pro2736-Cys2929) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro2736-Cys2929
Description	This gene encodes one of the vertebrate laminin alpha chains. Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. The protein encoded by this gene is the alpha-5 subunit of of laminin-10 (laminin-511), laminin-11 (laminin-521) and laminin-15 (laminin-523).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.4 kDa Accurate Molecular Mass: 25 kDa

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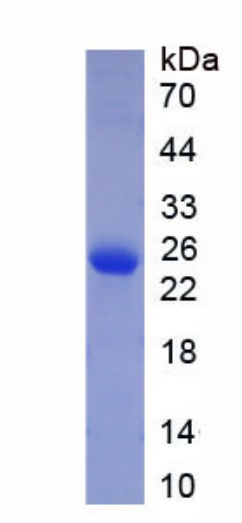
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	LAMA5 laminin, alpha 5 [Homo sapiens (human)]
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

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mRNA Refseq	NM_005560
Protein Refseq	NP_005551
MIM	601033
UniProt ID	O15230



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