

Recombinant Human LAMA2 protein, GST-tagged

Cat. No. LAMA2-27944TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA2(3013 a.a. - 3122 a.a.) fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	Wheat Germ
ProteinLength	3013-3122 a.a.
Description	Laminin, an extracellular protein, is a major component of the basement membrane. It is thought to mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. It is composed of three subunits, alpha, beta, and gamma, which are bound to each other by disulfide bonds into a cross-shaped molecule. This gene encodes the alpha 2 chain, which constitutes one of the subunits of laminin 2 (merosin) and laminin 4 (s-merosin). Mutations in this gene have been identified as the cause of congenital merosin-deficient muscular dystrophy. Two transcript variants encoding different proteins have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	37.84 kDa
AA Sequence	DAGVPGHLCDGQWHKVTANKIKHRIELTVDGNQVEAQSPNPASTSADTNDPVFVG GFPDDLKQFGLTTSIPFRGC IRSLKLTGKTGKPLEVNFAKALELRGVQPVSPAN

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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
Chromosome Location	6q22-q23
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Arrhythmogenic right

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ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem;

Function

receptor binding; structural molecule activity;

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