

Recombinant Human Laminin α 4, His-tagged

Cat. No. LAMA4-69527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview The protein was expressed as 6*his-tagged fusion protein by E.Coli and purified by Ni-sepharose. The purified protein was resolved in 1M P BS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol

Species Human

Source E.coli

Description Laminin subunit α -4 is a protein that in humans is encoded by the LAMA4 gene. 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 α , β and γ (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. Several isoforms of each chain have been described

Purity purified by Ni-sepharose

Format 1M P BS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

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Storage The protein is stored in PBS buffer at -20°C. Repeated freeze-thaw cycles should be avoided.

GENE INFORMATION

Gene Name LAMA4 laminin, alpha 4 [Homosapiens]

Official Symbol LAMA4

Synonyms LAMA4;laminin, alpha 4; LAMA3; LAMA4*-1; DKFZp686D23145; Laminin-14 subunit alpha;Laminin-8 subunit alpha; Laminin-9 subunit alpha

Gene ID 3910

mRNA Refseq NM_001105206

Protein Refseq NP_001098676

MIM 600133

UniProt ID Q16363

Chromosome Location 6q21

Pathway extracellularmatrix structural constituent; receptor binding

Function African trypanosomiasis; Amoebiasis; ECM-receptor interaction; FOXM1 transcription factor network; Focal adhesion; Pathways in cancer; Small cell lung cancer; Toxoplasmosis

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