

Recombinant Human Laminin α 4, GST-tagged

Cat. No. LAMA4-6953H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LAMA4 full-length ORF (AAH04241.1, 1 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	38.94 kDa
Sequence	MALSSAWRSVLPLWLLWSAACSRAASGDDNAFPFDIEGSSAVGRQDPPETSEPRV ALGRLPPAAEVQCPCCHCPAGAPAPPRAVPHSSFSLSPPLSSPQCLESFTWARSVR KLEIKSFPL
Purity	Glutathione Sepharose 4 Fast Flow

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Buffer	50 mM Tris-HCl, 10mM reduced Glutathione, pH=8.0 in the elution buffer.
Format	supplied in 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0, and do not contain any known hazardous ingredient
Quality Control Testing	12.5% SDS-PAGE stained with Coomassie Blue.
Applications	Enzyme-linked Immunosorbent Assay; Western Blot (Recombinant protein)
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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	6q21

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Location	
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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