

## Recombinant Human Laminin $\alpha$ 4, GST-Tagged

Cat. No. LAMA4-6956H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The protein was expressed as gst-tagged fusion protein by E.Coli and purified by GSH-sepharose. The purified protein was resolved in 1M P BS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM Na <sub>2</sub> H <sub>2</sub> P O <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GS H and 1% TritonX-100, 15% glycerol
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Laminin subunit alpha-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 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. Several isoforms of each chain have been described
<b>Purity</b>	purified by GSH-sepharose
<b>Format</b>	1M P BS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM Na <sub>2</sub> H <sub>2</sub> P O <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GS H and 1% Triton X-100, 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 [ Homo sapiens ]

**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** extracellular matrix 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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