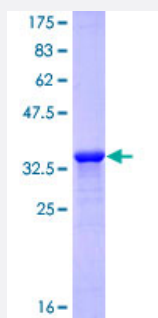


LAMA3 (Human) Recombinant Protein (Q01)

Catalog # H00003909-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LAMA3 partial ORF (NP_000218, 29 a.a. - 138 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SSQQQRPFLQPPGQSQLQASYVEFRPSQGCSPPGYRDHKGLYTGRVCPCNCNGHSNQCQDG SGICVNCQHNTAGEHCERCQEGYYGNAVHGSCRACPCPHTNSFATGCV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LAMA3

Entrez GeneID [3909](#)

GeneBank Accession# [NM_000227](#)

Protein Accession# [NP_000218](#)

Gene Name LAMA3

Gene Alias BM600, E170, LAMNA, LOCS, lama3a

Gene Description laminin, alpha 3

Omim ID [226650](#) [226700](#) [245660](#) [600805](#)

Gene Ontology [Hyperlink](#)

Gene Summary Laminins are basement membrane components thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. The protein encoded by this gene is the alpha-3 subunit of laminin 5, which is a complex glycoprotein composed of three subunits (alpha, beta, and gamma). Laminin 5 is thought to be involved in cell adhesion, signal transduction and differentiation of keratinocytes. Mutations in this gene have been identified as the cause of Herlitz type junctional epidermolysis bullosa. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations BM600 150kD subunit|epiligrin 170 kda subunit|epiligrin alpha 3 subunit|kalinin 165kD subunit|laminin alpha 3 subunit|laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin)|laminin-5 alpha 3 chain|nicein 150kD subunit

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)