

Laminin Alpha 4 (LAMA4) Recombinant Protein | LAMA4 recombinant protein

Recombinant Laminin Alpha 4 (LAMA4)

CATALOG # AAA20284	HOST E Coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Laminin Alpha 4 (LAMA4); Recombinant Laminin Alpha 4 (LAMA4); LAMA4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Homo sapiens (Human)
Purity/Purification	>95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for LAMA4 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Source	Prokaryotic expression
Residues	Ile832~Lys1039
Tags	N-terminal His-Tag
Tissue Specificity	Lung, Liver, Kidney, Spleen.
Subcellular Location	Secreted, extracellular space, extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.0
Predicted Molecular Mass	24.4kDa
Accurate Molecular Mass	29kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



			IQVSMDFG	QSAVEHSRT
SMDDLKAFTS	LSLYMKPPVK	RPELTETADQ	FILYLGSKNA	KKEYNGLAIK
NDLNVYYVNL	GTKDVEIPLD	SKPVSSWPAY	FSVIKIERVG	KHKGVLFTVP
SLSTAEKKF	IKKGFGSDG	SLLDLPDET	VYFVGGVPSN	FKLPTSLNLP
GFVGCELEAT	LNNDEVISLN	FKHIYNMDFS	TSVPCARDK	

NCBI GI #	380503843
NCBI GeneID	3910
NCBI Accession #	NP_001098676.2
NCBI GenBank Nucleotide #	NM_001105206.2
UniProt Accession #	Q16363; Q14731; Q14735; Q15335; Q4LE44; Q5SZG8; Q9BTB8; Q9UE18; Q9UJN9
NCBI Official Full Name	laminin subunit alpha-4 isoform 1
NCBI Official Synonym Full Names	laminin, alpha 4
NCBI Official Symbol	LAMA4
NCBI Official Synonym Symbols	LAMA3; CMD1JJ; LAMA4*-1
NCBI Protein Information	laminin subunit alpha-4; laminin alpha 4 chain
UniProt Protein Name	Laminin subunit alpha-4
UniProt Gene Name	LAMA4
UniProt Entry Name	LAMA4_HUMAN

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Online datasheet: <https://stage.aaabiotech.com/lama4-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/20284>