

Laminin Gamma 1 (LAMC1) Recombinant Protein | LAMC1 recombinant protein

Recombinant Laminin Gamma 1 (LAMC1)

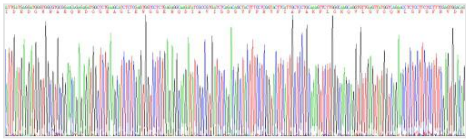
CATALOG # AAA135597	HOST E Coli	REACTIVITY Human	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

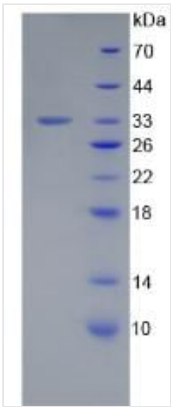
Laminin Gamma 1 (LAMC1); Recombinant Laminin Gamma 1 (LAMC1); LAMC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 97%
Form/Format	PBS, pH7.4, containing 0.01 % SKL
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for LAMC1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residuess	Ile521-Pro772
Tags	N-terminal His Tag
Tissue Specificity	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	5.3
Predicted Molecular Mass	29.0kDa
Accurate Molecular Mass	33kDa 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 affect 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 PBS (pH7.4) 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.



Application Data



SDS-PAGE

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IDEDGWRAEQ RDGSEASLEW SSERQDIAVI
SDSYFPRYFI APAKFLGKQV LSYGQNLFSF FRVDRRDTL SAEDLVLEGA
GLRVSVPLIA QGNSYPSETT VKYVFRLEHA TDYPWRPALT PFEFQKLLNN
LTSIKIRGTY SERSAGYLDL VTLASARPGP GVPATWVESC TCPVGYGQGF
CEMCLSGYRR ETPNLGPYSP CVLCACNGHS ETCDPETGVC NCRDNTAGPH
CEKCSDGYYG DSTAGTSSDC QP

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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	145309326
NCBI GeneID	3915
NCBI Accession #	NP_002284.3
NCBI GenBank Nucleotide #	NM_002293.3
UniProt Accession #	P11047; Q5VYE7
NCBI Official Full Name	laminin subunit gamma-1
NCBI Official Synonym Full Names	laminin, gamma 1 (formerly LAMB2)
NCBI Official Symbol	LAMC1
NCBI Official Synonym Symbols	LAMB2
NCBI Protein Information	laminin subunit gamma-1; S-LAM gamma; laminin B2 chain; S-laminin subunit gamma; laminin-2 subunit gamma; laminin-3 subunit gamma; laminin-4 subunit gamma; laminin-6 subunit gamma; laminin-7 subunit gamma; laminin-8 subunit gamma; laminin-9 subunit gamma; laminin-10 subunit gamma; laminin-11 subunit gamma
UniProt Protein Name	Laminin subunit gamma-1
UniProt Gene Name	LAMC1
UniProt Synonym Gene Names	LAMB2; S-LAM gamma
UniProt Entry Name	LAMC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.