

Laminin Beta 2 (LAMB2) Recombinant Protein | LAMB2 recombinant protein

Recombinant Laminin Beta 2 (LAMB2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134090	E Coli	Mouse	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

PRODUCT SYNONYMS

Laminin Beta 2 (LAMB2); Recombinant Laminin Beta 2 (LAMB2); LAMB2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	>92%
Form/Format	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Concentration	200ug/ml (varies by lot)
Applicable Applications for LAMB2 recombinant protein	IP (Coimmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Residues	Gln1176~Asn1309
Tags	N-terminal His-Tag
Tissue Specificity	Lung, Heart, Brain
Subcellular Location	Secreted, extracellular space, extracellular matrix, basement membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.0
Predicted Molecular Mass	16.1kDa
Accurate Molecular Mass	12kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	<p>The possible reasons that the actual band size differs from the predicted are as follows:</p> <ol style="list-style-type: none"> 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 PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex
Preparation and Storage	<p>Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.</p> <p>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 degree 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.</p>

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982223
NCBI GeneID	16779
NCBI Accession #	NP_032509.2
NCBI GenBank Nucleotide #	NM_008483.3
UniProt Accession #	Q61292; Q62182; Q8R0Y0
NCBI Official Full Name	laminin subunit beta-2
NCBI Official Synonym Full Names	laminin, beta 2
NCBI Official Symbol	Lamb2
NCBI Official Synonym Symbols	Lams; Lamb-2; AW211941
NCBI Protein Information	laminin subunit beta-2; Laminin S; S-LAM beta; S-laminin subunit beta; laminin-3 subunit beta; laminin-4 subunit beta; laminin-7 subunit beta; laminin-9 subunit beta; laminin-11 subunit beta; laminin-14 subunit beta; laminin-15 subunit beta
UniProt Protein Name	Laminin subunit beta-2
UniProt Gene Name	Lamb2
UniProt Synonym Gene Names	Lams; S-LAM beta
UniProt Entry Name	LAMB2_MOUSE

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.