

Recombinant Human Laminin alpha 5/LAMA5 protein
ab190413

Description	
Product name	Recombinant Human Laminin alpha 5/LAMA5 protein
Purity	> 90 % SDS-PAGE. This protein is expressed in E.coli as inclusion bodies. The final product was refolded using temperature shift inclusion body refolding technology and chromatographically purified.
Expression system	Escherichia coli
Accession	<u>O15230</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQMGRGHHHHHHENLYFQGGEFIQVFLGGS RKRVLVRVERAT VYSVEQDNDLELADAYLGGVPPDQLPPSLRRLFPTGGS VRGCVKGIKAL GKYVDLKRNLNTTGVSAGCTADLLVGRAMTFHGHGFLRLAL SNVAPLTGNV YSGFGFHSAQDSALLYRASPDGLCQVSLQQGRVSLQLL RTEVKTQAGFA DGAPHYVAFYSNATGVWLYVDDQLQQMKPHRGPPPELQ PQPEGPPRLLLG GLPESGTIYNFSGCISNVFVQRLGQRFVFDLQQNLGSVN VSTGCAPALQ AQTPGLGPRGLQATARKASRRSRQPARHPACMLPPHLRT TRDSYQFGGSL SSHLEFVGILARHRNWPSLSMHVLPRSSRGLLLFTARLRP GSPSLALFLS NGHFVAQMEGLGTRLRAQSRQSRPGRWHKVSVRWEK NRILLVTDGARAW SQEGPHRQHQAHPQPHTLFVGGLPASSHSSKLP
Predicted molecular weight	53 kDa including tags
Amino acids	3027 to 3482
Additional sequence information	Corresponds to the C-terminal of extracellular domain. T7-His-TEV cleavage site Tag at N terminal end.

Specifications

Our **Abpromise guarantee** covers the use of **ab190413** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid
Additional notes	This product was previously labelled as Laminin alpha 5

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituent: 0.32% Tris HCl Contains NaCl, KCl, EDTA, arginine, DTT and Glycerol.
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General Info

Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.
Tissue specificity	Expressed in heart, lung, kidney, skeletal muscle, pancreas, retina and placenta. Little or no expression in brain and liver.
Sequence similarities	Contains 22 laminin EGF-like domains. Contains 5 laminin G-like domains. Contains 1 laminin IV type A domain. Contains 1 laminin N-terminal domain.
Domain	Domain G is globular and is part of the major cell-binding site located in the long arm of the laminin heterotrimer.
Cellular localization	Secreted, extracellular space, extracellular matrix, basement membrane. Major component.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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