



# Recombinant Rat Fibulin-5 (Fbln5)

<b>Product Code</b>	CSB-BP896264RA
<b>Abbreviation</b>	Fbln5
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9WVH8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>           QQQCTNG FDLDRQTGQC LDIDECRTIP EACRGDMMCVCV NQNGGYLCIP            RTNPVYRGPY SNPYSTSYSG PYPAAAPPVP ASNYPTISRP LVCRFGYQMD            EGNQCVDVDE CATDSHQCNP TQICINTEGG YTCSCDTDGYW LLEGQCLDID            ECRYGYCQQL CANVPGSYSC TCNPGFTLND DGRSCQDVNE            CETENPCVQT CVNTYGSFIC RCDPGYELEE DGIHCSDMDE CSFSEFLCQH            ECVNQPGSYF CSCPPGYVLL EDNRSCQDIN ECEHRNHTCT PLQTCYNLQG            GFKCIDPIVC EEPYLLIGDN RCMCPAENTG CRDQPFTILF RDMDVVSGRS            VPADIFQMQA TTRYPGAYYI FQIKSGNEGR EFYMRQTGPI SATLVMTRPI            KGPRDIQLDL EMITVNTVIN FRGSSVIRLR IYVSQYPF         </p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	Fbln5
<b>Protein Names</b>	Recommended name: Fibulin-5 Short name= FIBL-5 Alternative name(s): Developmental arteries and neural crest EGF-like protein Short name= Dance Embryonic vascular EGF repeat-containing protein Short name= EVEC
<b>Expression Region</b>	24-448
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is a secreted, extracellular matrix protein containing an Arg-Gly-Asp (RGD) motif and calcium-binding EGF-like domains. It promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. It is prominently expressed in developing arteries but less so in adult vessels. However, its expression is reinduced in balloon-injured vessels and atherosclerotic lesions, notably in intimal vascular smooth muscle cells and endothelial cells. Therefore, This protein may play a role in vascular development and remodeling. Defects in this gene are a cause of autosomal dominant cutis laxa, autosomal recessive cutis laxa type I (CL type I), and age-related macular degeneration type 3 (ARMD3).



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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