



Recombinant Rat Fibulin-5 (Fbln5)

Product Code	CSB-MP896264RA
Abbreviation	Fbln5
Storage	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.
Uniprot No.	Q9WVH8
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<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 ECVNQPQSYF CSCPPGYVLL EDNRSCQDIN ECEHRNHTCT PLQTCYNLQG GFKCIDPIVC EEPYLLIGDN RCMCPAENTG CRDQPFTILF RDMDVVSGRS VPADIFQMQA TTRYPGAYYI FQIKSGNEGR EFYMRQTGPI SATLVMTRPI KGPRDIQLDL EMITVNTVIN FRGSSVIRLR IYVSQYPF </p>
Source	Mammalian cell
Target Names	Fbln5
Protein Names	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
Expression Region	24-448
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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).



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.

Shelf Life

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