



# Recombinant Bovine Fibulin-5 (FBLN5)

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| <b>Product Code</b>      | CSB-YP701847BO   |
| <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.<br>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>       | Q5EA62   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Bos taurus (Bovine)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | <p>           QQQCTNG FDLDRSSGQC LDVDECRTIP EACRGDMMCV NQNGGYLCIP<br/>           RTNPVYRGPY SNPYSNPYSA SYPAAAPPLS APNYPTISRP LICRFGYQMD<br/>           ESNQCVDVDE CATDSHCNP TQICINTEGG YTCSCDTDGYW LLEGQCLDID<br/>           ECRYGYCQQL CANVPGSYSC TCNPGFTLNE DGRSCQDVNE<br/>           CATENPCVQT CVNTYGSFIC RCDPGYELED DGVHCSDMDE CSFSEFLCQH<br/>           ECVNQPITYF CSCPAGYILL DDNRSCQDIN ECEHRNHTCI LQQTCTYLNQG<br/>           GFKCIDPIRC EEPYLRISDN RCMCPAENPG CRDQPFTILY RDMDVVSGRS<br/>           VPADIFQMQA TTRYPGAYYI FQIKSGNDGR EFYMRQTGPI SATLVMTRPI<br/>           KGPRDIQLDL EMITVNTVIN FRGSSVIRLR IYVSQYPF         </p>  |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | FBLN5  |
| <b>Protein Names</b>     | Recommended name: Fibulin-5 Short name= FIBL-5   |
| <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). |
| <b>Reconstitution</b>    | 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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