

## Fibrillin-1/Asprosin Protein, Mouse (HEK293, N-His)

<b>Cat. No.:</b>	HY-P7811A
<b>Synonyms:</b>	rMuFibrillin-1/Asprosin, His; Fibrillin-1; Fbn1; Asprosin; Fbn-1
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q61554 (S2734-H2873)
<b>Gene ID:</b>	14118
<b>Molecular Weight:</b>	Approximately 27.71 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           S T N E T D A S D I    Q D G S E M E A N V    S L A S W D V E K P    A S F A F N I S H V            N N K V R I L E L L    P A L T T L M N H N    R Y L I E S G N E D    G F F K I N Q K E G            V S Y L H F T K K K    P V A G T Y S L Q I    S S T P L Y K K K E    L N Q L E D R Y D K            D Y L S G E L G D N    L K M K I Q I L L H         </p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The glycan components are involved in various biological processes. They regulate osteoblast maturation by controlling the availability of TGF-beta and calibrating TGF-beta and BMP levels. They also negatively regulate osteoclastogenesis by binding and sequestering TNFSF11, a factor important for osteoclast differentiation and function. This disrupts TNFSF11-induced signaling and impairs the activation of transcription factor NFATC1, which is important for osteoclast differentiation.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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