Recombinant Mouse Asprosin

Catalog No: CC27

Description	Recombinant Mouse Fibrillin-1 is produced by our Mammalian expression system and the target gene encoding Ser2732-His2871 is expressed with a 8His tag at the N-terminus.
Source	Human Cells
Alternative name	Fibrillin-1; Fbn1; Asprosin; Fbn-1
Accession No.	Q61554
Amino Acid Sequence	HHHHHHHHSTNETDASDIQDGSEMEANVSLASWDVEKPASFAFNISHVSNKVRILELLPALTTLMNH NRYLIESGNEDGFFKINQKEGVSYLHFTKKNAVAGTYSLQISSTPLYKKKELNQLEDRYDKDYLSGEL GDNLKMKIQILLH
Quality Control	Purity: >95% as determined by reducing SDS-PAGE. Endotoxin: <1.0 EU per μg (1 IEU/μg).
Formulation	Lyophilized from a 0.2 μm filtered solution of 50mM Glycine 50mM NaCl pH4.0.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Asprosin is a protein hormone that is produced by white adipose tissue in mammals (and potentially by other tissues), which is then transported to the liver and stimulates it to release glucose into the blood stream. In the liver asprosin activates rapid glucose release by a cAMP-dependent pathway. The glucose release by the liver into the blood stream is vital for brain function and survival during fasting. People with neonatal progeroid syndrome lack asprosin, while people with insulin resistance have it in abundance. In animal tests asprosin showed potential for treating type 2 diabetes. When antibodies targeting asprosin were injected into diabetic mice, blood glucose and insulin levels improved.

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