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32-13054: BGN Mouse

Alternative Name : BGN, DSPG1, MRLS, PG-S1, PGI, SEMDX, SLRR1A, Biglycan, Bone/cartilage proteoglycan I, Biglycan Proteoglycan, MRLS.

Description

Source: Sf9, Insect cells.
Sterile filtered colorless solution.
Biglycan (BGN) is a small cellular or pericellular matrix proteoglycan which takes part in assembly of collagen fibrils and muscle regeneration. BGN is closely correlated in structure to two other small proteoglycans, decorin and fibromodulin. BGN interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI. BGN is also critical for the assembly of the dystrophin-associated protein complex.
BGN produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 574 amino acids (38-369 a.a.) and having a molecular mass of 64.6kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). BGN is expressed with a 242 hIgG-His-tag at C-Terminus and purified by proprietary chromatographic Â techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The BGN solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPDEEASGS DTTSGVPDLD SVTPTFSAMC PFGCHCHLRV VQCSDLGLKT VPKEISPDTT LLDLQNNDIS ELRKDDFKGL QHLYALVLVN NKISKIHEKA FSPLRKLQKL YISKNHLVEI PPNLPSSLVE LRIHDNRIRK VPKGVFSGLR NMNCIEMGGN PLENSGFEPG AFDGLKLNYLRISEAKLTGI PKDLPETLNE LHLDHNKIQA IELEDLLRYS KLYRLGLGHN QIRMIENGSL SFLPTLRELH LDNNKLSRVP AGLPDLKLLQ VVYLHSNNIT KVGINDFCPM GFGVKRAYYN GISLFNNPVP YWEVQPATFR CVTDRLAIQF GNYKKLEPKS CDKTHTCPPC PAPELLGGPSVFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH.

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