9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-7833: Recombinant Mouse Bone Sialoprotein 2/IBSP (C-6His)

Gene : Ibsp
Gene ID : 15891
Uniprot ID : Q61711

Description

Source: Human Cells.
MW :35.1kD.
Recombinant Mouse Bone Sialoprotein 2 is produced by our Mammalian expression system and the target gene encoding Phe17-Gln324 is expressed with a 6His tag at the C-terminus. IBSP, is a monomeric non-collagenous member of the SIBLING family of extracellular matrix proteins. It is principally associated with the early stages of bone mineralization. Mouse IBSP is synthesized as a 324 amino acid (aa) precursor that contains a 16 aa signal sequence and a 308 aa mature region. The mature segment is divided into a basic N-terminus (aa 17 - 62), a central region (aa 63 - 233), and an acidic C-terminus (aa 234 - 317). IBSP is highly glycosylated, sulfated and phosphorylated. Phosphorylation promotes HAp nucleation, while carbohydrate may regulate cell adhesion.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage condition :	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.
Amino Acid :	FSMKNFHRRIKAEDSEENGVFKYRPRYFLYKHAYFYPPLKRFPVQGGSDSSEENGDGDSSEEEGEEEETSNEEE NNEDSEGNEDQEAEAENATLSTLSGVTASYGAETTPQAQTFELAALQLPKKAGDAESRAPKVKESDEEEEEEE EEEENENEEAEVDENELAVNGTSTNSTEVDGGNGSSGGDNGEEAEAEEASVTEAGAEGTTGGRELTSVGTQT AVLLNGFQQTTPPPEAYGTTSPPIRKSSTVEYGGEYEQTGNEYNNEYEVYDNENGEPRGDTYRAYEDEYSYYKG HGYEGYEGQNYYYHQVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.