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

32-7011: Recombinant Human Bone Morphogenetic Protein 2/BMP-2

Gene : BMP2
Gene ID : 650
Uniprot ID : P12643

Description

Source: E.coli.
MW :13.3kD.
Recombinant Human Bone Morphogenetic Protein 2 is produced by our E.coli expression system and the target gene encoding Gln283-Arg396 is expressed. Bone Morphogenetic Protein-2 (BMP-2) is one of the bone-growth regulatory factors that belong to the transforming growth factor-beta (TGF-beta) superfamily of proteins. BMPs are synthesized as large precursor molecules, which are cleaved by proteolytic enzymes. The active form of BMP-2 can consist of a dimer of two identical proteins or a heterodimer of two related bone morphogenetic proteins.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 50mM HAc .
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 :	MQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPLADHLNSTNHAIVQTLVNSVN SKIPKACCVPTELSAISMLYLDENEKVVLKNYQDMVVEGCGCR

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 50mM Acetic acid. 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.
Biological Activity : ED50 is less than 50 ng/ml. Specific Activity of 2.0 x 10^4 IU/mg

For Research Use Only. Not for use in diagnostic/therapeutics procedures.