

RMCH074

Recombinant BMP-12 (Bone morphogenetic protein-12),
Human , AF



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

Growth/Differentiation Factor-7,GDF-7

Activity:

Measure by its ability to induce alkaline phosphatase production by ATDC5 cells.

The ED50 for this effect is <112 ng/mL.

Protein Description:

Bone morphogenetic proteins (BMPs) are a group of growth factors also known as cytokines and as metabologens. BMP-12 regulates chondrogenesis, bone morphogenesis, and neuron differentiation.

Protein Accession : Q7Z4P5

Gene ID : 151449

Expression Sequence:

MTALAGTRTAQGSGGGAGRGRGRRGRSRCSRKPLHVDFKELGWDDWIIAPLDYEAYHCEGLCDFPLRSHLEPTNHAIQTLNLSMAP
DAAPASCCVPARLSPISILYIDAANNVYKQYEDMVVEACGCR with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 14.95 kDa

Formulation:

The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

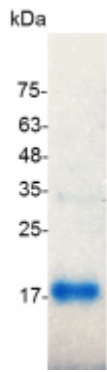
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human BMP-12