

RMCH071

Recombinant BMP-9 (Bone morphogenetic protein-9), Human, AF



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

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Synonym/Alternative name(s) : NAP-1

Activity:

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

The ED50 for this effect is <0.4 ng/mL.

Protein Description:

BMP-9 is a member of the BMP subgroup of the TGF-beta superfamily proteins that signal through heterodimeric complexes composed of type I and type II BMP receptors. BMP-9 regulates the development and function of a variety of embryonal and adult tissues.

Protein Accession : Q9UK05

Gene ID : 2658

Expression Sequence:

SAGAGSHCQKTSLRVNFEDIGWDSWIIAPKEYEAYECKGGCFFPLADDVPTPKHAIIVQTLVHLKFPTKVGKACCVPTKLSPIVLYKDDM
GVPTLKYHYEGMSVAECGCR with polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-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:

<0.01 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 12.89 kDa

Formulation:

The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 MNaCl, 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.

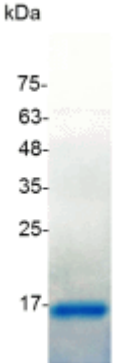
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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-9