Human BMP13 Recombinant Protein

RPPB0107

Product Information

Product SKU:
RPPB0107

Accession:
Q6KF10

Host:
Escherichia Coli.

Protein Information

Protein description:
BMP13 Human Recombinant produced in E.coli is a non-glycosylated disulfide linked homodimer containing 2 chains of 120 amino acids and having a molecular mass of 27.1kDa.The BMP-13 is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:
Growth Differentiation Factor 6, Growth/Differentiation Factor 16, Bone Morphogenetic Protein 13, BMP-13, BMP13, GDF-6, Klippel-Feil Malformation, Segmentation Syndrome 1, Klip-Feil Malformation, Klippel-Feil Syndrome, MCOPCB6, SCDO4, CDMP2, LCA17, MCOP4, GDF16, KFS1, KFSL, SGM1, KFM, KFS, GDF6.

Formulation:
BMP-13 protein was lyophilized from a 0.2μm filtered concentrated solution in 30% Acetonitrile and 0.1% TFA.

Purity:
Greater than 95.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

Solubility:
It is recommended to reconstitute the lyophilized BMP13 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized BMP13 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP-13 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:
TAFASRHGKR HGKKSRLRCS KKPLHVNFKE LGWDDWIIAP LEYEAYHCEG VCDFPLRSHL EPTNHAIIQT LMNSMDPGST PPSCCVPTKL TPISILYIDA GNNVVYKQYE DMVVESCGCR.

Biological Activity:
The ED50 as determined by inducing alkaline phosphatase production of murine ATDC5 cells is less than 2.0μg/ml, corresponding to a specific activity of > 500IU/mg.

