

BMP- 4, 293-408aa, Human, Recombinant, E.coli

Cat.NO.: TP01348

3th Edition

Synonyms:Bone morphogenetic protein 4, BMP-2B, DVR4.

Description:Bone morphogenetic protein 4 (BMP-4) is a member of the bone morphogenetic protein family which belongs to the TGF- β superfamily. This protein is a vital regulatory molecule that functions throughout bone and cartilage development, specifically tooth development, limb formation, bone induction, and fracture repair. In human embryonic development, BMP- 4 is required for the early differentiation of the embryo and establishing of a dorsolventral axis.

Form:Liquid. In 10mM Sodium citrate buffer (pH 3.5), 10% glycerol

Molecular Weight:13.2 kDa (117 aa), confirmed by MALDI-TOF

Sequences:

MSPKHHSQRARKKNKNCRRHSLYVDFSDVGWNDWIVAPPGYQAFYCHGDCPFPLADHLNSTNHAIQTLVNSVN
SSIPKACCVPTELSAISMLYLDEYDKVVLKKNYQEMVVEGCGCR

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.