

Recombinant Human Bone morphogenetic protein 4(BMP4)

Catalog No: #AP70086

Package Size: #AP70086-1 20ug #AP70086-2 100ug #AP70086-3 1mg

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Description

Product Name	Recombinant Human Bone morphogenetic protein 4(BMP4)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:293-408aaSequence Info:Full Length
Other Names	Bone morphogenetic protein 2B ;BMP-2B
Accession No.	P12644
Calculated MW	29.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SPKHHSQRARKKNKNCRRHSLYVDFSDVGWNDWIVAPPGYQAFYCHGDCPFPLADHLNSTNHAIVQTLVNS VNSSIPKACCVPTELSAISMLYLDEYDKVVLKNYQEMVVEGCGCR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. Acts in concert with PTHLH,PTHRP to stimulate ductal outgrowth during bryonic mammary development and to inhibit hair follicle induction .

References

Mutations in BMP4 are associated with subepithelial, microform, and overt cleft lip.Suzuki S., Marazita M.L., Cooper M.E., Miwa N., Hing A., Jugessur A., Natsume N., Shimozaoto K., Ohbayashi N., Suzuki Y., Niimi T., Minami K., Yamamoto M., Altannamar T.J., Erkhembaatar T., Furukawa H., Daack-Hirsch S., L'heureux J. , Brandon C.A., Weinberg S.M., Neiswanger K., Deleyiannis F.W., de Salamanca J.E., Vieira A.R., Lidral A.C., Martin J.F., Murray J.C.Am. J. Hum. Genet. 84:406-411(2009) Research Topic:Developmental Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.