

Recombinant Human BMP-4

Catalog No : PMK2166

Known As: Bone morphogenetic protein 4; BMP-4; BMP4; BMP2B; DVR4

PROPERTIES

Description	Recombinant Human Bone morphogenetic protein 4 is produced by our E.coli expression system and the target gene encoding Ser293-Arg408.
Accession	P12644
Formulation	Supplied as a 0.2 µm filtered solution of 4mM HCl.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/µg as determined by LAL test.
Predicted Mol Mass	13.3 KDa
Apparent Mol Mass	12-14 KDa, reducing conditions
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles
Background	Bone morphogenic protein-4 (BMP-4) is one of nine structurally related BMPs belonging to the transforming growth factor-beta (TGF-beta) superfamily of secreted proteins. Mature BMP-4 is a dimer that binds to a multimeric transmembrane receptor with serine/threonine kinase activity. BMP-4 has important roles as a signalling molecule in embryonic tissues, including the developing central and peripheral nervous system, musculature and skeleton. BMP-4 as well as its receptors and their signal transduction pathways play a crucial role in the control of the differentiation and proliferation of the different cell types that constitute the anterior pituitary.

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