

BMP-4/BMP-2B/DVR4, Human, Recombinant

Cat. No. : PCK269

General Information

Synonyms	BMP-2B;DVR4
Species	Human
Expression host	E.coli
Sequence	MKKNKNCRRHSLYVDFSDVGWNDWIVAPPGYQAFYCHGDCPFPLADHLNSTNHAIVQTLVN SVNSSIPKACCVPTELSAISMLYLDEYDKVVLKNYQEMVVEGCGCR with polyhistidine tag at the C-terminus.
Accession	P12644.1
Tag	His-tag at the C-terminus
Mol mass	12.88 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is < 0.58 ng/mL.

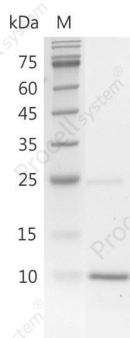
Product feature

Purity	> 95% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1×PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Bone Morphogenetic Protein-4 (BMP-4) is an extracellular multifunctional signaling cytokine that is also a member of the TGF-β family. BMP-4 can bind with the TGF-β receptor and trigger SMAD protein signal transduction. BMP-4 has a significant expression in the prostate, it plays a vital role in the development of mesoderm into bones and the development of the epidermis and Dorsal-Ventral axis.

SDS-PAGE



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