

## ARG70409 Pig BMP4 recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg  
Store at: -20°C

### Summary

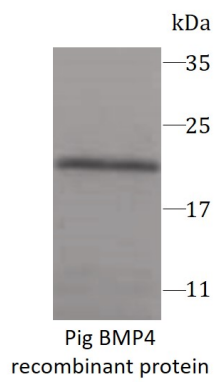
Product Description	E. coli expressed, His-tagged (C-ter) Pig BMP4 recombinant protein
Tested Application	SDS-PAGE
Target Name	BMP4
Species	Pig
A.A. Sequence	Arg227 - Cys408
Expression System	E. coli
Alternate Names	BMP4; Bone Morphogenetic Protein 4; BMP2B; Bone Morphogenetic Protein 2B; BMP2B1; MCOPS6; BMP-2B; OFC11; BMP-4; ZYME; DVR4

### Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	20 mM sodium citrate and 0.2 M NaCl (pH 3.5)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	BMP4
Gene Full Name	Bone Morphogenetic Protein 4
Background	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers.
Function	Growth factor of the TGF-beta superfamily that plays essential roles in many developmental processes, including neurogenesis, vascular development, angiogenesis and osteogenesis
PTM	Cleavage on pair of basic residues, Disulfide bond, Glycoprotein Phosphoprotein
Cellular Localization	Extracellular matrix, Secreted



ARG70409 Pig Pig BMP4 recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of Pig BMP4 recombinant protein (His-tagged, C-ter)