

ARG70088 Human BMP3 recombinant protein (Active) (His-tagged, C-ter)

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

Summary

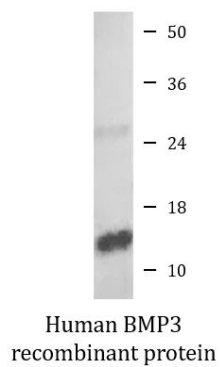
Product Description	E. coli expressed, His-tagged (C-ter) Active Human BMP3 recombinant protein
Tested Application	SDS-PAGE
Target Name	BMP3
Species	Human
A.A. Sequence	Gln363 - Arg472
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is < 10 µg/mL.
Alternate Names	BMP-3; Bone morphogenetic protein 3; Osteogenin; BMP-3A; Bone morphogenetic protein 3A

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (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 4 mM HCl 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	BMP3
Gene Full Name	bone morphogenetic protein 3
Background	BMP3 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein, also known as osteogenin, induces bone formation. [provided by RefSeq, Jul 2008]
Function	Negatively regulates bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentiation and ossification. [UniProt]
Cellular Localization	Secreted. [UniProt]



ARG70088 Human BMP3 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70088 Human BMP3 recombinant protein (Active) (His-tagged, C-ter).