9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BMP 2 Human, HEK

Bone Morphogenetic protein-2 Human Recombinant, HEK
CYK0079

Product Overview

Name	BMP 2 Human, HEK
Description	
Bone Morphogenetic protein-2 Human Recombinant, HEK	
Accession (Primary)	P12643
Synonyms	
BMP-2, BMP2A.	
Introduction	
BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein induces bone formation. BMP2 is a candidate gene for the autosomal dominant disease of fibrodysplasia (myositis) ossificans progressiva.	
Source	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The BMP2 was lyophilized from 0.67mg/ml in 2xPBS + 6% ethanol.	
Stability	
Lyophilized BMP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP-2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by analysis by SDS-PAGE.	
Amino acid sequence	
QAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPLADHLNST NHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVLKNYQDMVVEGCGCR.	
Biological Activity	
The specific activity as determined by the dose dependent induction of alkaline phosphatase production in the ATDC-5 cell line (Mouse chondrogenic cell line) was found to be 6.53ng/ml.	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Solubility

It is recommended to reconstitute the lyophilized BMP-2 in sterile 4mM HCl containing 0.1% endotoxin-free recombinant HSA.

Precautions

BMP 2 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P12643)