

Product datasheet for PH312801

BMP3 (NM_001201) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BMP3 MS Standard C13 and N15-labeled recombinant protein (NP_001192)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212801
Predicted MW:	53.41 kDa
Protein Sequence:	>RC212801 representing NM_001201 Red=Cloning site Green=Tags(s)

MAGASRLFLWLGCFCVSLAQGERPKPPFPELRKAVPGDRTAGGGPDSSELQPQDKVSEHMLRLYDRYSTV
QAARTPGSLEGGSQWP RPRLREGNTVRSFRAAAAETLERKGLYIFNLTSLT KSENILSATLYFCIGELG
NISLSCPVS GGCSHHAQRKHIQIDL SAWTLKFSRNQSLLGHL SVDMAKSHRDIMSWLSKDITQFLRKAK
ENEEFLIGFNITSKGRQLPKRRLPFPEPYILVYANDAAISEPESVVSLLQGHRNFPTGTVPKWD SHIRAA
LSIERRKKRSTGVLLPLQNNELPGA EYQYKKDEVWEERKPYKTLQAQAPEKSKNKKKQRKGPHRKSQTLQ
FDEQTLKKARRKQWIEPRNCARRY LKVDFADIGWSEWII SPKSFDAYYC SGACQFPMPKSLKPSNHATIQ
SIVRAVG VVPGIPEPCCVPEKMSSLSILFFDENKNVVLKVYPNMTVESCACR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001192</u>
RefSeq Size:	1774
RefSeq ORF:	1416
Synonyms:	BMP-3A



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Locus ID: 651

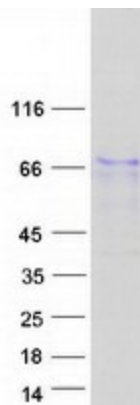
UniProt ID: [P12645](#)

Cytogenetics: 4q21.21

Summary: 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 suppresses osteoblast differentiation, and negatively regulates bone density, by modulating TGF-beta receptor availability to other ligands. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified BMP3 protein (Cat# [TP312801]). The protein was produced from HEK293T cells transfected with BMP3 cDNA clone (Cat# [RC212801]) using MegaTran 2.0 (Cat# [TT210002]).