

Product datasheet for **TP312801**

BMP3 (NM_001201) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human bone morphogenetic protein 3 (BMP3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212801 representing NM_001201 Red =Cloning site Green =Tags(s)
	MAGASRLFLWLGCFCVSLAQGERPKPPPELRKAVPGDRTAGGGPDSELQPQDKVSEHMLRLYDRYSTV QAARTPGSLEGGSQPWRPRLREGNTVRSFRAAAAETLERKGLYIFNLTSLTSENILSATLYFCIGELG NISLSCPVSGGCSHHAQRKHIQIDLSAWTLKFSRNQSLLGHLSVDMAKSHRDIMSWLSKDITQFLRKAK ENEFLIGFNITSKGRQLPKRRLPFPEPYILVYANDAAISEPESVSSLQGHRNFPTGTVPKWDSHIRAA LSIERRKKRSTGVLLPLQNNELPGAQYQYKKDEWVEERKPYKTLQAQAPEKSKNKKKQKRGPHRKSQTLQ FDEQTLKKARRKQWIEPRNCARRYLKVDFADIGWSEWII SPKSFDAYYCSGACQFPMPKSLKPSNHATIQ SIVRAVGVPGIPECCVPEKMSSLSILFFDENKNVVLKVYPNMTVESCACR
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	51 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001192</u>



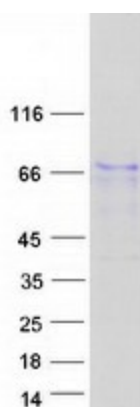
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Locus ID:	651
UniProt ID:	P12645
RefSeq Size:	1774
Cytogenetics:	4q21.21
RefSeq ORF:	1416
Synonyms:	BMP-3A

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]).