

Product datasheet for **TP525853**

Bmp6 (NM_007556) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse bone morphogenetic protein 6 (Bmp6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR225853 protein sequence
Clone or AA Sequence:	Red =Cloning site Green =Tags(s)

MPGLGRRQWLCWWWGLLCSGPPPLRPPLVAAAAAGGQLLGAGGSPVRAEQPPPQSSSSGFLYRRLKT
HEKREMQKEILSVLGLPHRPRPLHGLQPPVLPQQQQQQQQQTAREPPPGRLKSAPLFMLDLNA
LSNDDEEDGASEGVGQEPGSHGGASSQLRQPSGAAHSLNRKSLAPGPGGGASPLTSAQDSAFLNDAD
MVMSFVNLEVDKEFSPHQRRHKEFKFNLSQIPEGEAVTAAEFRVYKDCVVGSKNQTFLLISIQVLQEH
QHRDSDLFLLDTRVWVASEEGWLEFDITATSNLWVTPQHNMGLQLSVTRDGLHVNPRAGLVGRDGPY
DKQPFMVAFFKVSEVHVTRTRSASSRRRQSRNRSTQSQDVSRRGSGSSDYNGSELKTACKKHELIVSFQD
LGWQDWIAPKGYAANYCDGECFPLNAHMNATNHAIVQTLVHLMNPEYVPKCCAPTCLNAISVLYFDD
NSNVILKKYRNMVVRACGCH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	56.4 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
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 after receiving vials.
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_031582</u>



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Locus ID: 12161

UniProt ID: [P20722](#), [Q3UXB2](#), [Q8BRW3](#)

RefSeq Size: 2410

Cytogenetics: 13 18.15 cM

RefSeq ORF: 1533

Synonyms: D13Wsu115; D13Wsu115e; Vg; Vgr1

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 regulates a wide range of biological processes including iron homeostasis, fat and bone development, and ovulation. Mice lacking this gene exhibit delayed ossification of the sternum, iron overload, and reduced fertility in females. [provided by RefSeq, Jul 2016]