

Product datasheet for AR51714PU-S

BMP14 / GDF5 (376-495, His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	BMP14 / GDF5 (376-495, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSAPLANRQ GKRPSKNLKA RCSRKALHVN FKDMGWDDWI IAPLEYEAFH CEGLCEFPLR SHLEPTNHAV IQTLMNSMDP ESTPPTCCVP TRLSPISILF IDSANNVVYK QYEDMVVESC GCR
Tag:	His-tag
Predicted MW:	16 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse GDF5 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 032135</u>
Locus ID:	14563
UniProt ID:	<u>P43027, Q8BRW9</u>
Cytogenetics:	2 77.26 cM
Synonyms:	b; BMP-14; bp; brp; CDMP-; Cdmp-1

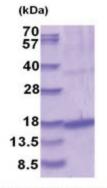


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Smiller BMP14 / GDF5 (376-495, His-tag) Human Protein – AR51714PU-S

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 the development of numerous
tissue and cell types, including cartilage, joints, brown fat, teeth, and the growth of neuronal
axons and dendrites. Mice with a mutation in this gene exhibit enhanced tooth enamel
formation. [provided by RefSeq, Aug 2016]

Product images:



15% SDS-PAGE (3ug)

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