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Product datasheet for TP723132

BMP9 (GDF2) (NM_016204) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human growth differentiation factor 2 (GDF2).
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	SAGAGSHCQK TSLRVNFEDI GWDSWIIAPK EYEAYECKGG CFFPLADDVT PTKHAIVQTL VHLKFPTKVG KACCVPTKLS PISVLYKDDM GVPTLKYHYE GMSVAECGCR
Tag:	Tag Free
Predicted MW:	24.1 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is 0.5-1.9 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_057288
Locus ID:	2658
UniProt ID:	Q9UK05, B2RC63
RefSeq Size:	1955
Cytogenetics:	10q11.22
RefSeq ORF:	1287
Synonyms:	BMP-9; BMP9; HHT5

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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 cartilage and bone development, angiogenesis and differentiation of cholinergic central nervous system neurons. Mutations in this gene are associated with hereditary hemorrhagic telangiectasia. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome, Secreted Protein

Product images: