

Product datasheet for **TP723130**

BMP11 (GDF11) (NM_005811) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human growth differentiation factor 11 (GDF11).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	NLGLDCDEHS SESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGQCEYM FMQKYPHTHL VQQANPRGSA GPCCTPTKMS PINMLYFNDK QQIYGKIPG MVDRCGCS
Tag:	Tag Free
Predicted MW:	25 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Sterile filtered through 0.2 µM filtered, Lyophilized with no additives
Bioactivity:	ED50 was determined by its ability to inhibit induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The expected ED50 for this effect is 0.08-0.10 ug/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_005802
Locus ID:	10220
UniProt ID:	O95390 , A0A024RB20
RefSeq Size:	1662
Cytogenetics:	12q13.2
RefSeq ORF:	1221
Synonyms:	BMP-11; BMP11; VHO



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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 plays a role in the development of the nervous and other organ systems, and may regulate aging. [provided by RefSeq, Aug 2016]

Protein Families:

Druggable Genome, Secreted Protein