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Product datasheet for TP726907

BMP11 (GDF11) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Growth Dfferentiation Factor 11/GDF-11/BMP-11
Species:	Human
Expression cDNA Clone or AA Sequence:	Asn299-Ser407
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Growth differentiation factor 11 is produced by our Mammalian expression system and the target gene encoding Asn299-Ser407 is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	10220
UniProt ID:	O95390
Synonyms:	Growth/differentiation factor 11;GDF-11;Bone morphogenetic protein 11;BMP-11
Summary:	Growth/differentiation factor 11(GDF-11) is a secreted protein, which belongs to the transforming growth factor beta superfamily. GDF-11 controls anterior-posterior patterning by regulating the expression of Hox genes. The secreted signal acts globally to specify positional identity along the anterior/posterior axis during development. GDF11 has been shown to suppress neurogenesis through a pathway similar to that of myostatin, including stopping the progenitor cell-cycle during G-phase. The similarities between GDF11 and myostatin imply a likelihood that the same regulatory mechanisms are used to control tissue size during both muscular and neural development.
Protein Families:	Druggable Genome, Secreted Protein

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