

Recombinant Human GDF-11

Catalog No : PMK2185

Known As: Growth/differentiation factor 11; GDF-11; Bone morphogenetic protein 11; BMP-11

PROPERTIES

Description	Recombinant Human/Mouse/Rat Growth Differentiation Factor 11 is produced by our Mammalian expression system and the target gene encoding Asn299-Ser407 is expressed.
Accession	O95390
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 50% glycerol, pH 7.4.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 1 EU/µg as determined by LAL test.
Predicted Mol Mass	12.5 KDa
Apparent Mol Mass	13-20 KDa, reducing conditions
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Background	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 Gphase. 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.

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