

## 32-7654: Recombinant Human Growth Differentiation Factor 11/GDF-11/BMP-11

**Gene :** GDF11  
**Gene ID :** 10220  
**Uniprot ID :** O95390

### Description

Source: Human Cells.

MW :12.6kD.

Recombinant Human Growth differentiation factor 11 is produced by our Mammalian expression system and the target gene encoding Asn299-Ser407 is expressed. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.

**Storage condition :** 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.

**Amino Acid :** NLGLDCDEHSSSRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGQCEYMFQMYPHTLVQQANPRGSAGP  
CCTPTKMSPINMLYFNDKQQIIYGKIPGMVVDRCGCS

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.