

## Recombinant Human GDF-5

CATALOG #:	4667-50	50 µg
	4667-1000	1 mg
LOT #:		
SOURCE:	<i>E.coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC Endotoxin level is <0.1 ng per µg of GDF-5.	
MOL. WEIGHT:	26.8 kDa	
FORM:	Lyophilized with no additives	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 20 Mm HOAc to a concentration of 0.1 to 1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated below 0°C. Reconstituted human GDF-5 should be stored at working aliquots at -20°C.

### DESCRIPTION:

GDF-5 acts as an inhibitor of nerve tissue growth. It is produced as a homodimer, non-glycosylated polypeptide chain containing 2 X 117 amino acids with a molecular weight of 26.8 kDa. To enable bacterial expression of rhGDF-5 we removed the N-terminal sequence Ala-Pro- Leu- Thr and added the Lys.

### ACTIVITY:

The biological activity of the protein was measured by induction of alkaline phosphatase activity in ATDC5 cells. The EC<sub>50</sub> is 30-50 nM.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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