

GDF5

Recombinant Human Growth Differentiation Factor 5

Catalog No.	CRG009A CRG009B CRG009C	Quantity:	10 µg 50 µg 1.0 mg
Alternate Names:	Cartilage-Derived Morphogenetic Protein-1, BMP14, CDMP1, LAP4, OS5, SYNS2		
Description:	Recombinant Human Growth Differentiation Factor 5 is a homodimeric, non-glycosylated, polypeptide chain containing 2 x 117 amino acids. To enable bacterial expression of recombinant human GDF5, the N-terminal sequence Ala- Pro- Leu- Thr has been removed and Lys added.		
Gene ID:	8200		
Accession #:	P43026		
Source:	<i>E. coli</i>		
Molecular Weight:	26.8 kDa		
Formulation:	Lyophilized from a sterile filtered solution without additives		
Purity:	>95.0% by HPLC and SDS-PAGE		
Endotoxin Level:	<0.1 ng/µg of GDF5		
Biological Activity:	The biological activity was measured by induction of alkaline phosphatase activity in ATDC5 cells. The EC ₅₀ is 30-50 nM.		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in 20 mM Acetic acid to a concentration of 0.1 - 1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Store lyophilized product at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

