

## Growth differentiation factor 10 Human Recombinant

<b>Item Number</b>	rAP-0384
<b>Synonyms</b>	Bone morphogenetic protein 3b, BMP-3b, Growth/differentiation factor 10, GDF-10, Bone-inducing protein, BIP, GDF10, BMP3B.
<b>Description</b>	GDF10 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 111 amino acids (369-478 a.a.) and having a total molecular mass of 12.5 kDa. GDF10 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P55107
<b>Amino Acid Sequence</b>	MQWDEPRVCS RRYLKVDFA D IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGIIPG IPEPCCVPDK MNSLGVLFLD ENRNVVLKVY PNMSVDTCAC R.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The GDF10 solution (0.5mg/ml) contains 10mM Sodium citrate (pH 3.5), 1mM DTT, 40% glycerol and 0.1M NaCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**