

Growth Differentiation Factor-3 Human Recombinant

Item Number	rAP-0387
Synonyms	Growth Differentiation Factor 3, Growth/Differentiation Factor 3 , MCOPCB6, MCOP7, GDF-3, KFS3.
Description	GDF3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 124 amino acids and having a total molecular mass of 14.15 kDa. GDF3 is fused to a 10 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9NR23
Amino Acid Sequence	MKHHHHHHAS AAIPVPKLSC KNLCHRHQLF INFRDLGWHK WIIAPKGFMA NYCHGECPPS LTISLNSSNY AFMQALMHAV DPEIPQAVCI PTKLSPISML YQDNNNDNVIL RHYEDMVVDECGCG.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Lyophilized GDF3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated solution (0.5mg/ml) containing 30mM Acetate buffer pH-4. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized GDF3 in sterile 100mM Acetate buffer pH-4 at a concentration of 0.5mg/ml. For the dilution into higher pH values, it is recommended to dilute the protein to a concentration of 10µg/ml. Please note that in
Biological Activity	
Shipping Format and Condition	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**