Recombinant Human GDF3

Cat No:HR2R1451

For research use only

Overview

Quantity	20 ?g
Gene Symbol	GDF3
Gene ID	9573
Accession	Q9NR23
Alternative Name	GDF-3 Recombinant Human Growth Differentiation Factor 3 (GDF3)
Species	Human
Source	E. coli
Description	GDF-3 is a growth and differentiation factor which belongs to the TGF-beta superfamily. GDF-3 and GDF-9 are the only two members of the family which do not form disulfide-linked dimers. GDF-3 has been found in adult bone marrow, spleen, thymus, and adipose tissue. Although signaling in all other members of the family involve the BMP receptors ALK1,2,3, and 6, GDF-3 signals through BMP receptors ALK4 and 7.
Functions	Measured by its ability to induce Smad2 phosphorylation in P19 mouse embryonal carcinoma cells.
Formulation	Lyophilized from a 0.2 ?m filtered solution in 10mM HCl & 5 ?g BSA/?g of protein.
Solubility	Reconstitute at 0.1mg/mL in 4 mM HCl containing at least 0.1% human or bovine serum albumin.
Appearance	Lyophilized Powder
Molecular Weight	13
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.