

Active Recombinant Human GDF9

Cat. No. GDF9-999H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF9 (Accession # O60383) Gly320-Arg454, fused with , was produced in Human embryonic kidney cell, HEK293-derived.
Species	Human
Source	HEK293
ProteinLength	Gly320-Arg454
Predicted N Terminal	Gly320
Form	Lyophilized from a 0.2 µm filtered solution in HCl with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce Smad2 phosphorylation in P19 mouse embryonal carcinoma cells. Mazerbourg, S. et al. (2004) Mol. Endocrinol. 18:653.50-100 ng/mL of Recombinant Human GDF-9 can effectively induce Smad2 phosphorylation.
Molecular Mass	Recombinant Human GDF9 has a calculated MW of 16 kDa (monomer). In SDS-PAGE migrates as 20-22 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	GDF9 growth differentiation factor 9 [Homo sapiens]
Official Symbol	GDF9
Synonyms	GDF9; growth differentiation factor 9; growth/differentiation factor 9; GDF-9;
Gene ID	2661
mRNA Refseq	NM_005260
Protein Refseq	NP_005251
MIM	601918
UniProt ID	O60383
Chromosome Location	5q31.1

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