

Active Recombinant Human GDF1

Cat. No. GDF1-715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF1 (Accession # NP_001483) Asp254-Arg372 was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	254-372 a.a.
Predicted N Terminal	Asp254
Form	Lyophilized from a 0.2 μ 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 ng/mL of Recombinant Human GDF-1 can effectively induce Smad2 phosphorylation.
Molecular Mass	Recombinant Human GDF1 has a calculated MW of 12.6 kDa (monomer). In SDS-PAGE migrates as 13 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
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).

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Reconstitution Reconstitute at 100 µg/mL in 4 mM HCl containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name [ITGAV integrin, alpha V \[Homo sapiens \]](#)

Official Symbol ITGAV

Synonyms ITGAV; integrin, alpha V; antigen identified by monoclonal L230 , integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) , MSK8, vitronectin receptor , VNRA, VTNR; integrin alpha-V; CD51; integrin alphaVbeta3; vitronectin receptor subunit alpha; antigen identified by monoclonal L230; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); MSK8; VNRA; VTNR; DKFZp686A08142;

Gene ID [3685](#)

mRNA Refseq [NM_001144999](#)

Protein Refseq [NP_001138471](#)

MIM [193210](#)

UniProt ID P06756

Chromosome Location 2q31-q32

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