

## Active Recombinant Human GDF1

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GDF1 (Accession # NP_001483) Asp254-Arg372 was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	254-372 a.a.
<b>Predicted N Terminal</b>	Asp254
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in HCl with BSA as a carrier protein.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Recombinant Human GDF1 has a calculated MW of 12.6 kDa (monomer). In SDS-PAGE migrates as 13 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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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