

## Recombinant Human GDF5 Protein

Catalog #	Source	Reactivity	Applications
CRP2713	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human GDF5 Protein is produced by E.coli expression system and the target gene encoding Ala382-Arg501 is expressed.		
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of 4mM HCl.		
<b>Gene Symbol</b>	GDF5		
<b>Alternative Names</b>	BMP14; CDMP1; Growth/differentiation factor 5; GDF-5; Bone morphogenetic protein 14; BMP-14; Cartilage-derived morphogenetic protein 1; CDMP-1; Lipopolysaccharide-associated protein 4; LAP-4; LPS-associated protein 4; Radotermis		
<b>Entrez Gene</b>	8200 (Human)		
<b>SwissProt</b>	P43026 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	MAPLATRQGK RPSKNLKARC SRKALHVNFK DMGWDDWIIA PLEYEAFHCE GLCEFPLRSH LEPTNHAHIQ TLMNSMDPES TPPTCCVPTR LSPISILFID SANNVVYKQY EDMVVESGCG R		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.  Aliquots of reconstituted samples are stable at -20°C for 3 months.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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