

Recombinant Human GH2 Protein

Catalog #	Source	Reactivity	Applications
CRP1624	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human GH2 Protein is produced by E. coli. It is a single, non-glycosylated, polypeptide chain containing 177 amino acids and having a molecular mass of 20498 Dalton.		
Form	Lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ previously adjusted pH 11.		
Gene Symbol	GH2		
Alternative Names	Growth hormone variant; GH-V; Growth hormone 2; Placenta-specific growth hormone		
Entrez Gene	2689 (Human)		
SwissProt	P01242 (Human)		
Purity	The purity human placental growth hormone 20 K is greater than 98.0% as determined by: (a) Gel filtration analysis > 97% monomers as determined by gel-filtration chromatography (b) Analysis by reducing and non-reducing SDS-PAGE gel.		
Chemical Structure	N-terminal aminoacids equence:Al a-Phe-Pro- Thr-Ile		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	It is recommended to reconstitute the lyophilized human placental growth hormone 20 K in sterile water or sterile 0.4% NaHCO ₃ adjusted to pH 10, not less than 100μg/ml, which can then be further diluted with other aqueous solutions.		
Storage/Stability	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.		

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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Product Data Sheet

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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