Recombinant Human Growth hormone variant (GH2)

Product Code	CSB-YP009408HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P01242
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	FPTI PLSRLFDNAM LRARRLYQLA YDTYQEFEEA YILKEQKYSF LQNPQTSLCF SESIPTPSNR VKTQQKSNLE LLRISLLLIQ SWLEPVQLLR SVFANSLVYG ASDSNVYRHL KDLEEGIQTL MWRLEDGSPR TGQIFNQSYS KFDTKSHNDD ALLKNYGLLY CFRKDMDKVE TFLRIVQCRS VEGSCGF
Source	Yeast
Target Names	GH2
Protein Names	Recommended name: Growth hormone variant Short name= GH-V Alternative name(s): Growth hormone 2 Placenta-specific growth hormone
Expression Region	27-217
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. As in the case of its pituitary counterpart, growth hormone 1, the predominant isoform of this particular family member shows similar somatogenic activity, with reduced lactogenic activity. Mutations in this gene lead to placental growth hormone/lactogen deficiency.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.