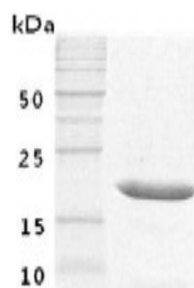


## GH1

## Recombinant Human Growth Hormone

<b>Catalog No.</b>	CSI15649A CSI15649B	<b>Quantity:</b>	100 µg 500 µg
<b>Alternate Names:</b>	GH, GH-N, GHN, hGH-N, pituitary growth hormone		
<b>Description:</b>	Human growth hormone(hGH, somatotropin), a protein hormone from the anterior lobe of the pituitary gland, comprises a single polypeptide chain of 191 amino acid residues. The growth hormone amino acid sequence varies considerably between species, and non-primate growth hormones have little activity in man. Its main function is the stimulation of somatic and bone growth, as well as an increase in the size and mass of organs and tissues. Recombinant human growth hormone(rhGH ) was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.		
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)		
<b>GenelD:</b>	2688		
<b>Protein Accession No:</b>	NP_000506		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	22.2 kDa (192 aa), confirmed by MALDI-TOF.		
<b>Formulation:</b>	Liquid in 88mM mannitol, 5mM phosphate, pH 7.4		
<b>Purity:</b>	> 95% by SDS - PAGE		
<b>Endotoxin Level:</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)		
<b>Biological Activity:</b>	The proliferative activity of rhGH was tested in culture using rat Nb2 Lymphoma cells		
<b>Amino Acid Sequence:</b>	MFPTIPLSRL FDNAMLRAHR LHQLAFDTYQ EFEEAYIPKE QKYSFLQNPQ TSLCFSESIP TPSNREETQQ KSNLELLRIS LLLIQSWLEP VQFLRSVFAN SLVYGASDSN VYDLLKDL EE GIQTLMGRL E DGSPRTGQIF KQTYSKFDTN SHNDDALLKN YGLLYCFRKD MDKVETFLRI VQCRSVEGSC GF		
<b>Application:</b>	SDS-PAGE		
<b>Storage &amp; Stability:</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. <b>Avoid repeated freezing and thawing cycles.</b>		





15% SDS-PAGE (3ug)

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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