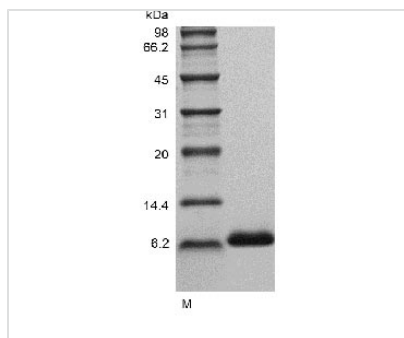




# Recombinant Human Insulin-like growth factor I (IGF1) (Active) (GMP)

<b>Product Code</b>	CSB-AP005921HU
<b>Uniprot No.</b>	P05019
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.0.
<b>Product Type</b>	Growth Factors
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 × 10 <sup>5</sup> IU/mg.
<b>Purity</b>	≥ 98 % by SDS-PAGE and HPLC analyses.
<b>Sequence</b>	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSC DLRRLEMYCAPLKPAKSA
<b>Research Area</b>	Cancer
<b>Source</b>	E.Coli
<b>Target Names</b>	IGF1
<b>Expression Region</b>	49-118aa
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	7.6 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	6358902; 3002851; 2935423; 2937782; 3455760; 2082190; 2018498; 1372070; 8495408; 16541075; 15489334; 6382022; 632300; 3242681; 19578119; 21076856; 22351760; 23243309; 23696648; 24132240; 6189745; 2036417; 1319992; 8857020; 10391209; 24389050

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Endotoxin** Less than 0.01 EU/μg of rHuIGF-1 GMP as determined by LAL method.

**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.