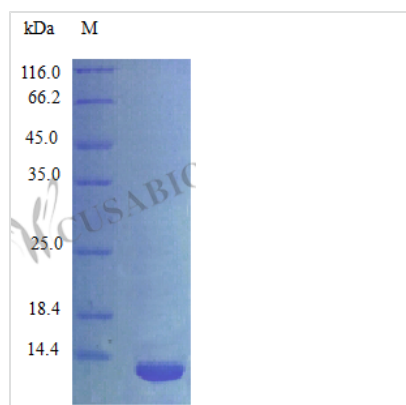




# Recombinant Human Insulin-like growth factor I protein (IGF1) (Active)

<b>Product Code</b>	CSB-AP002561HU
<b>Uniprot No.</b>	P05019
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered 20 mM PB, pH 7.2
<b>Product Type</b>	Growth Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by the stimulation of protein synthesis using rat L6 myoblasts is less than 10 ng/ml, corresponding to a specific activity of >1.0x10 <sup>5</sup> IU/mg.
<b>Purity</b>	>90% as determined by SDS-PAGE and HPLC.
<b>Sequence</b>	MFPAMPLSSLFVNGPRTLCAELVDALQFVCGDRGFYFNKPTGYGSSSRRAP QTGIVDECCFRSCDLRRLEMYCAPLKPAKSA
<b>Research Area</b>	Cancer
<b>Source</b>	E.Coli
<b>Target Names</b>	IGF1
<b>Expression Region</b>	MFPAMPLSSLFVN+49–118aa( E51R)
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	9.1 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; 21076856; 24132240; 6189745; 2036417; 1319992; 8857020; 10391209

## Image





---

**Endotoxin**

Less than 1.0 EU/ $\mu$ g as determined by LAL method.

---

**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.