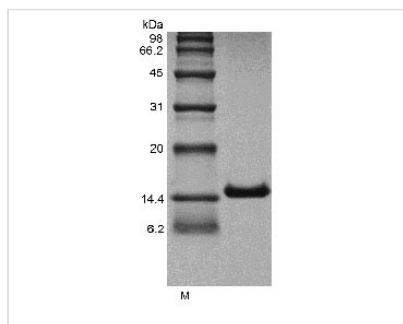




# Recombinant Human Interleukin-4 (IL4), partial (Active) (GMP)

<b>Product Code</b>	CSB-AP005831HU
<b>Uniprot No.</b>	P05112
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
<b>Product Type</b>	Interleukin
<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 human TF-1 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 × 10 <sup>6</sup> IU/mg.
<b>Purity</b>	> 98 % by SDS-PAGE analyses. > 95 % by HPLC analyses.
<b>Sequence</b>	HKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAASKNTTEKETFCRAATVLRQFY SHHEKDTRCLGATAQQFHRHKQLIRFLKRLDRNLWGLAGLNSCPVKEANQST LENFLERLKTIMREKYSKCSS
<b>Research Area</b>	Immunology
<b>Source</b>	E.Coli
<b>Target Names</b>	IL4
<b>Expression Region</b>	25-153aa
<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>	15 kDa
<b>Protein Length</b>	Partial
<b>PubMed ID</b>	3016727; 2535858; 7806280; 15489334; 3257560; 1993171; 1400355; 1511746; 10219247; 1932028; 1569578; 1567880; 1567881; 1609277; 1946344; 8151703; 7664036; 14681304

## Image



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

**Endotoxin**

Less than 0.01 EU/ $\mu$ g of rHuIL-4 GMP 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.