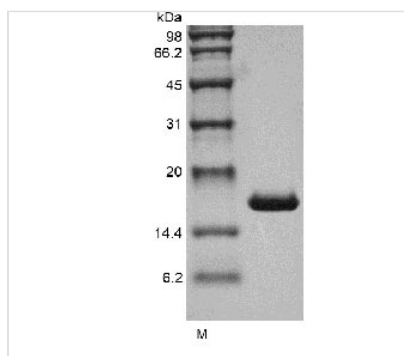




# Recombinant Human Interleukin-1 alpha (IL1A) (Active) (GMP)

<b>Product Code</b>	CSB-AP005801HU
<b>Uniprot No.</b>	P01583
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 25 mM Tris-HCl, pH8.0.
<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 murine D10S cells is less than 1.0 pg/ml, corresponding to a specific activity of > 1.0 × 10 <sup>9</sup> IU/mg.
<b>Purity</b>	> 98 % by SDS-PAGE and HPLC analyses
<b>Sequence</b>	SAPFSFLSNVKYNFMRIIKYEFILNDALNQSIIRANDQYLTAALHNLDEAVKFD MGAYKSSKDDAKITVILRISKTKQLYVTAQDEDQPVLLKEMPEIPKTITGSETNLLF FWETHGTKNYFTSVAHPNLFIAATKQDYWVCLAGGPPSITDFQILENQA
<b>Research Area</b>	Immunology
<b>Source</b>	E.Coli
<b>Target Names</b>	IL1A
<b>Expression Region</b>	113-271aa
<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>	18 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	2989698; 3486405; 2994016; 2635664; 3485152; 3493774; 11991722; 14702039; 15815621; 15489334; 3281727; 8346241; 2346741

## 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-1 $\alpha$  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.