

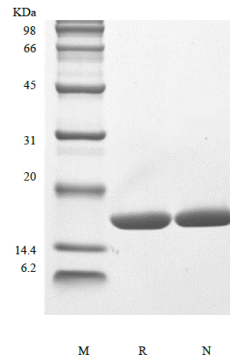
## IL1A

### Recombinant Human IL-1 alpha

<b>Catalog No.</b>	CRI136A CRI136B CRI136C	<b>Quantity:</b>	10 µg 100 µg 500 µg
<b>Alternate Names:</b>	Interleukin 1-alpha, IL-1A, IL1, IL1F1		
<b>Description:</b>	Interleukin-1 alpha is a proinflammatory cytokine produced by a wide variety of cell types, including macrophages, osteoblasts, monocytes, and hepatocytes. Circulating levels are normally low and only rise after stimulation by agents such as those produced by inflammation, infection, or microbial endotoxins. IL-1 alpha possesses a wide variety of biological activities and exerts its effects by binding to specific cell surface receptors.		
<b>UniProt ID:</b>	P01583		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	~18.0 kDa (159 aa) monomer		
<b>Formulation:</b>	Lyophilized from sterile filtered PBS, pH 7.4		
<b>Purity:</b>	> 97% by SDS-PAGE and HPLC		
<b>Endotoxin Level:</b>	< 1.0 EU/µg as determined by LAL method.		
<b>Biological Activity:</b>	ED <sub>50</sub> < 1.0 pg/ml, determined by dose-dependent cell proliferation assay using murine D10S cells.		
<b>Specific Activity:</b>	> 1.0 × 10 <sup>9</sup> U/mg		
<b>Amino Acid Sequence:</b>	SAPFSFLSNV KYNFMRIIKY EFILNDALNQ SIIRANDQYL TAAALHNLDE AVKFDMGAYK SSKDDAKITV ILRISKTKLY VTAQDEDQPV LLKEMPEIPK TITGSETNLL FFWETHGTKN YFTSVAHPNL FIATKQDYWV CLAGGPPSIT DFQILENQA		
<b>Reconstitution:</b>	<b>Centrifuge the vial prior to opening.</b> Reconstitute with sterile water at 0.1-1.0 mg/ml by gently pipetting to wash down the sides of the vial to ensure full recovery of the protein into solution. <b>Do not vortex.</b> Allow a few minutes for complete solubilization.		
<b>Storage &amp; Stability:</b>	Lyophilized vial is shipped at ambient temperature. Immediately upon receipt, store unopened vial at -20°C (manual defrost freezer) or -80°C for up to 36 months. Upon reconstitution, prepare working aliquots and store at -20°C (manual defrost freezer) or -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. For short term storage reconstituted material is stable for 4-6 weeks when stored at 2-8°C. <b>Avoid repeated freeze-thaw cycles.</b>		



## SDS-PAGE



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**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)