


## Human IL1-alpha/IL1A protein

Cat #: PRP1021

Size: 2 µg/10 µg/100 µg

### Product Information

	<b>Product Name:</b> Human IL1-alpha/IL1A protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1021	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> 95 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** IL-1 $\alpha$  a member of the interleukin 1 cytokine family. Interleukin 1 (IL-1) is a name that designates two proteins, IL-1 $\alpha$  and IL-1  $\beta$ , which are the products of distinct genes, but which show approximately 25% amino acid sequence identity and which recognize the same cell surface receptors. IL-1 $\alpha$  stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity.

**Sequence:** Amino acid sequence derived from Human IL-1 $\alpha$  protein isoform (P01583-1, Ser113-Ala271) was expressed.

**Protein length:** The recombinant Human IL-1 $\alpha$  protein consists of 160 amino acids (N-Met) and has a predicted molecular mass of 18 kDa. The apparent molecular mass of the Human IL1 $\alpha$  protein is approximately 18 kDa in SDS-PAGE under reducing conditions due to glycosylation.

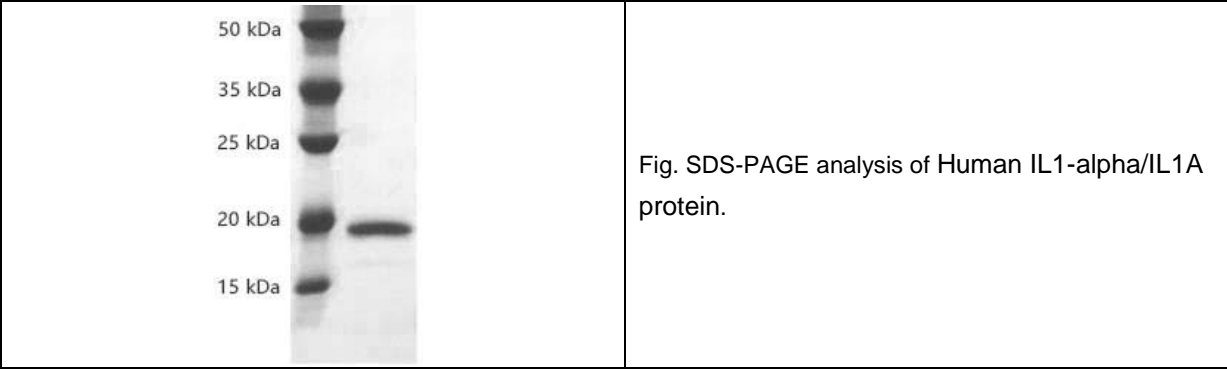
**Biological Activity:** Testing in progress.

**Endotoxin:** < 1 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile 20 mM Tris, 150 mM NaCl, pH7.5.

**Storage Instructions:** Lyophilized Human IL1 $\alpha$  protein protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL-1 $\alpha$  protein using the buffer we provided not less than 100  $\mu$ g/mL, which can then be further diluted to other aqueous solutions.



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