

## Recombinant human Interleukin-1 alpha

Catalog No: #AP71938



Package Size: #AP71938-1 20ug #AP71938-2 100ug #AP71938-3 1mg

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## Description

Product Name	Recombinant human Interleukin-1 alpha
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:113-271aaSequence Info:Full Length
Other Names	Hematopoietin-1
Accession No.	P01583
Uniprot	P01583
GeneID	3552;
Calculated MW	45 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	SAPFSFLSNVKYNFMRIIKYEFILNDALNQSIIIRANDQYL TAAALHNLDEAVKFDMDGAYKSSKDDAKITVILRISK T QLYVTAQDEDQPVLLKEMPEIPKTITGSETNLLFFWETHGTKNYFTSVAHPNLFIA TKQDYVWVCLAGGPPSITD FQILENQA
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

## References

Cloning, sequence and expression of two distinct human interleukin-1 complementary DNAs.March C.J., Mosley B., Larsen A., Cerretti D.P., Braedt G., Price V., Gillis S., Henney C.S., Kronheim S.R., Grabstein K., Conlon P.J., Hopp T.P., Cosman D.Nature 315:641-647(1985)Research  
Topic:Immunology

Note: This product is for in vitro research use only