

## Recombinant mouse Interleukin-1 beta protein

Catalog No: #AP72347



Package Size: #AP72347-1 20ug #AP72347-2 100ug #AP72347-3 1mg

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## Description

Product Name	Recombinant mouse Interleukin-1 beta protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:119-268aaSequence Info:Partial
Accession No.	P10749
Uniprot	P10749
GeneID	16176;
Calculated MW	21.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	PIRQLHYRLRDEQQKSLVLSDPYELKALHLNGQINQQVIFSMSFVQGEPNSNDKIPVALGLKKGKNLYLSCVMKD GTPTLQLESVDPKQYPKKKMEKRFVFNKIEVKSKVEFESAEPNWWYISTSQAEHKPVFLGNNSGQDIIDFTMES VS
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

The structure of murine interleukin-1 beta at 2.8-Å resolution.van Oostrum J., Priestle J.P., Gruetter M.G., Schmitz A.J. Struct. Biol. 107:189-195(1991)Research Topic:Others

Note: This product is for in vitro research use only