

## Product datasheet for **AR51683PU-N**

### Interleukin-1 alpha / IL-1A (115-270, His-tag) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Interleukin-1 alpha / IL-1A (115-270, His-tag) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSSAPYTYQ SDLRYKLMKL VRQKFVMNDS LNQTIYQDQVD KHYLSTTWLN DLQQEVKFDY YAYSSGGDDS KYPVTLKISD SQLFVSAQGE DQPVLLKELP ETPKLITGSE TDLIFFWXS NSKNYFTSAA YPELFIATKE QSRVHLARGL PSMTDFQIS
Tag:	His-tag
Predicted MW:	20.4 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffer saline (pH 7.4) containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse IL1a protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_034684</a>
Locus ID:	16175
UniProt ID:	<a href="#">P01582</a> , <a href="#">Q3U0Y6</a>
Cytogenetics:	2 62.9 cM
Synonyms:	Il-1a



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**Summary:**

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. [UniProtKB/Swiss-Prot Function]

**Product images:**