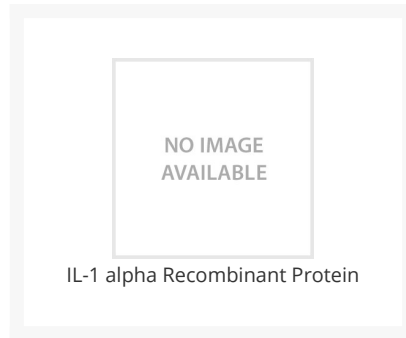




IL-1 alpha Recombinant Protein

Cat. No.: 40-430




Ψ Specifications

SPECIES:	Murine
SOURCE SPECIES:	E. coli
SEQUENCE:	SAPYTYQSDL RYKLMKLVQR KFMNDSLQ TIYQDVVKHY LSTTWLNDLQ QEVKFDMYAY SSGGDDSKYP VTLKISDSQL FVSAQGEDQP VLLKELPETP KLITGSETDL IFFWKSINSK NYFTSAAYPE LFIATKEQSR VHLARGLPSM TDFQIS
TESTED APPLICATIONS:	

Ψ Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized IL-1 alpha recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted IL-1 alpha is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing IL-1 alpha recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	Il1a
ALTERNATE NAMES:	Il-1a, Interleukin-1 alpha, IL-1 alpha
ACCESSION NO.:	NP_034684.2
PROTEIN GI NO.:	47059075
GENE ID:	16175

 Background and References

BACKGROUND:	<p>IL-1α is a non-secreted proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1α and IL-1β binds to the same receptor and has similar if not identical biological properties. These cytokines have a broad range of activities including, stimulation of thymocyte proliferation, by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity and the ability to stimulate the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1β is a secreted cytokine, IL-1α is predominantly a cell-associated cytokine. Recombinant murine IL-1α is an 17.9 kDa protein containing 156 amino acid residues.</p>
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