

IL-1 alpha/IL-1F1 Active Protein | IL-1 alpha active protein

Recombinant mouse IL-1 alpha /IL-1F1 protein

CATALOG # AAA48354	HOST Baculovirus	APPLICATIONS SDS-Page
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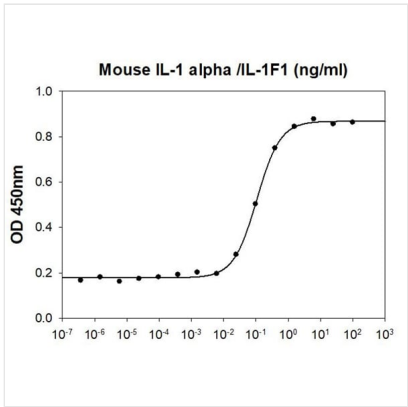
PRODUCT SYNONYMS

IL-1 alpha/IL-1F1; Recombinant mouse IL-1 alpha /IL-1F1 protein; Il1a; Il-1a; Interleukin-1 alpha; IL-1 alpha; IL-1F1; IL-1 alpha active protein

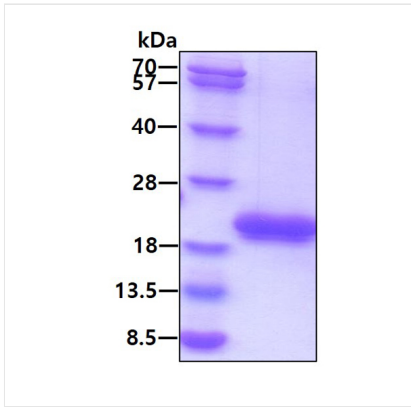
PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS - PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	115-270aa
Sequence	SAPYTYQSDL RYKLMKLVQR KFMNDSLNR TIYQDVVKHY LSTTWLNDLQ QEVKFDMYAY SSGGDDSKYP VTLKISDSQL FVSAQGEDQP VLLKELPETP KLITGSETDL IFFWKSINSK NYFTSAAYPE LFIATKEQSR VHLARGLPSM TDFQIS
Sequence Length	270
Applicable Applications for IL-1 alpha active protein	Bioactivity, SDS-PAGE
Antigen Species	Mouse
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Predicted Nterm	Ala
Tag Information	His-Tag
Biological Activity	Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 range ? 0.15 ng/ml.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
SDS-Page



Bioactivity
Mouse IL-1 alpha /IL-1F1 stimulates cell proliferation of the D10.G4.1 mouse helper T cells.
The ED50 range ? 0.15 ng/ml.

ADDITIONAL INFORMATION

Related Product Information for IL-1 alpha active protein	IL-1 alpha /IL-1F1, also known as interleukin-1 alpha, is a member of the interleukin-1 cytokine family. Cytokines are protein signaling compounds that are the main mediators of the immune response. This protein is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. It binds to the interleukin-1 receptor. It is on the pathway that activates tumor necrosis factor-alpha. Also, it stimulates thymocyte proliferation by inducing IL-2 release, B cell maturation and proliferation. Recombinant mouse IL-1 alpha, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for IL-1 alpha active protein	Immunology
References	Dinarello CA., et al. (1997) Semin Oncol. 24:S9-81-S9-93.;; Bankers-Fulbright JL., et al. (1996) Life Sci. 59:61-83.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47059075
NCBI GeneID	16175
NCBI Accession #	NP_034684
NCBI GenBank Nucleotide #	NP_034684.2
UniProt Accession #	P01582
Molecular Weight	19.0kDa (165aa)
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Synonym Full Names	interleukin 1 alpha
NCBI Official Symbol	Il1a
NCBI Official Synonym Symbols	Il-1a
NCBI Protein Information	interleukin-1 alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	Il1a
UniProt Synonym Gene Names	IL-1 alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/il-1-alpha-il-1f1/48354>