

IL1A active protein

Recombinant Human IL1A

CATALOG #
AAA214229

HOST
E Coli

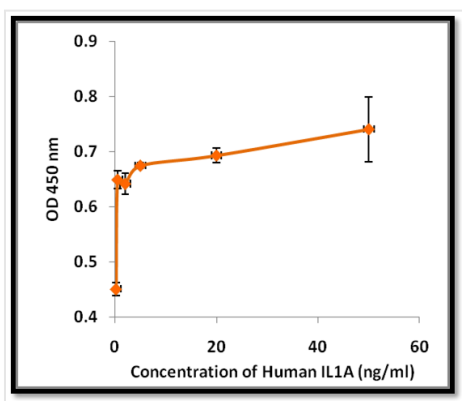
PRODUCT SYNONYMS

IL1A; Recombinant Human IL1A; Hematopoietin-1; Lymphocyte-activating factor; LAF; Mononuclear Cell Factor; MCF; IL1F1; Recombinant Human Interleukin-1 Alpha (IL1A); IL1A active protein

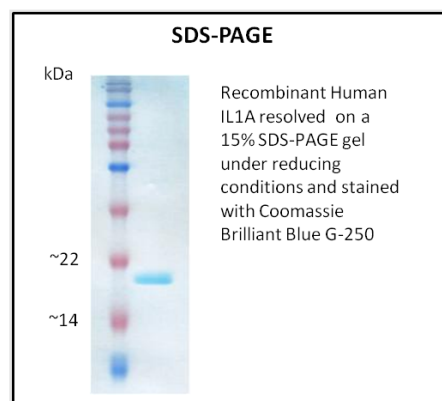
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Tris and NaCl (pH 8.0)
Sequence Length	271
Bioactivity	The ED50 as determined by the dose-dependent stimulation of murine D10S cells was found to be ≤ 0.002 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL1A active protein	There are two functionally comparable forms of IL1: IL1A and IL1B, that are encoded by two different genes. IL1B is the predominant form in humans while, it is IL1A in mice. Both forms of IL1 bind to the same receptor and therefore show similar, if not identical, biological activities. Latter include but not limited to, stimulation of T-helper cells, promotion, proliferation and synthesis of immunoglobulins and the activation of fibroblasts and NK cells. Unlike IL1B, the IL1A precursor does not require processing before it can bind to the receptor. Monocytes are the main source of secreted IL1B while human keratinocytes are known to express large amounts of IL1A. Recombinant Human IL1A is a non-glycosylated polypeptide of 18 kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27894330
NCBI GeneID	3552
NCBI Accession #	NP_000566.3
NCBI GenBank Nucleotide #	NP_000566.3
UniProt Accession #	P01583
Molecular Weight	18.0 kDa
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Synonym Full Names	interleukin 1 alpha
NCBI Official Symbol	IL1A
NCBI Official Synonym Symbols	IL1; IL-1A; IL1F1; IL1-ALPHA
NCBI Protein Information	interleukin-1 alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL1F1; IL-1 alpha
UniProt Entry Name	IL1A_HUMAN

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://www.aaabiotech.com/e-coli-active-protein/il1a/214229>