Interleukin-1 Alpha (IL1A) Horse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-1 alpha (IL1A), Recombinant Protein
Full Product Name	Recombinant Horse Interleukin-1 alpha (IL1A)
Product Gene Name	IL1A recombinant protein
Product Synonym Gene Name	IL1A
Sequence	SVHYNFQSNT KYNFMRIVNH QCTLNDALNQ SVIRDTSGQY LATAALNNLD DAVKFDMGAY TSEEDSQLPV TLRISKTRLF VSAQNEDEPV LLKEMPDTPK TIKDETNLLF FWERHGSKNY FKSVAHPKLF IATKQGKLVH MARGQPSITD FQILDNQF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	30,807 Da
Sequence Positions	113-270, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q28385
Species	Equus caballus (Horse)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL1A recombinant protein	This protein is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer s disease.
Other Notes	Small volumes of IL1A recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL1A purchase	MBS1338360 is a recombinant protein targeting IL1A. Also known as Recombinant Horse Interleukin-1 alpha (IL1A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1A. It may not necessarily be applicable to this product.

NCBI GI #	824556517
NCBI GeneID	100064969

NCBI Accession #	NP_001075969.2
UniProt Primary Accession #	Q28385
UniProt Secondary Accession #	O77743
UniProt Related Accession #	Q28385
GenBank Nucleotide #	NM_001082500.2
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Synonym Full Names	interleukin 1 alpha
NCBI Official Symbol	IL1A
UniProt Protein Name	Interleukin-1 alpha
Protein Family	Interleukin
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL-1 alpha
NCBI Protein Information	interleukin-1 alpha
UniProt Comments for IL1A	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 ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/interleukin-1-alpha-il1a/1338360