Aryl-Hydrocarbon-Interacting Protein-Like 1 (AIPL1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aryl-hydrocarbon-interacting protein-like 1 (Aipl1), Recombinant Protein
Full Product Name	Recombinant Rat Aryl-hydrocarbon-interacting protein-like 1 (Aipl1)
Product Gene Name	Aipl1 recombinant protein
Product Synonym Gene Name	Aipl1
Sequence	MDVSLLLNVE GVKKTILHGG TGELPNFITG SRVTFHFRTM KCDEERTVID DSKQVGQPMN IIIGNMFKLE VWETLLTSMR LGEVAEFWCD TIHTGVYPML SRSLRQVAEG KDPTSWHVHT CGLANMFAYH TLGYEDLDEL QKEPQPLIFL IELLQVEAPN EYQRETWNLN NEERMQAVPL LHGEGNRLYK LGRYDQAATK YQEAIVCLRN LQTKEKPWEV EWLKLEKMIN TLILNYCQCL LKKEEYYEVL EHTSDILRHH PGIVKAYYMR ARAHAEVWNA EEAKADLEKV LELEPSMRKA VLRELRLLES RLADKQEEER QRCRSMLG
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	38,294 Da
Sequence Positions	1-328, 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 Q9JLG9
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Aipl1 recombinant protein	Leber congenital amaurosis (LCA) accounts for at least 5% of all inherited retinal disease and is the most severe inherited retinopathy with the earliest age of onset. Individuals affected with LCA are identified at birth or in the first few months of life with severely impaired vision or blindness, nystagmus and an abnormal or flat electroretinogram. The photoreceptor pineal -expressed gene, AIPL1, encoding aryl-hydrocarbon interacting protein-like 1, was mapped within the LCA4 candidate region. The protein contains three tetratricopeptide motifs, consistent with nuclear transport or chaperone activity. AIPL1 mutations may cause approximately 20% of recessive LCA.
Other Notes	Small volumes of Aipl1 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 Aipl1 purchase	MBS1319376 is a recombinant protein targeting Aipl1. Also known as Recombinant Rat Aryl-hydrocarbon-interacting protein-like 1 (Aipl1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Aipl1. It may not necessarily be applicable to this product.

NCBI GI #	11024668
NCBI GeneID	59110
NCBI Accession #	NP_067601.1
UniProt Primary Accession #	Q9JLG9
UniProt Related Accession #	Q9JLG9
GenBank Nucleotide #	NM_021590.2
NCBI Official Full Name	aryl-hydrocarbon-interacting protein-like 1
NCBI Official Synonym Full Names	aryl hydrocarbon receptor-interacting protein-like 1
NCBI Official Symbol	Aipl1
UniProt Protein Name	Aryl-hydrocarbon-interacting protein-like 1
Protein Family	Aryl-hydrocarbon-interacting protein
UniProt Gene Name	Aipl1
NCBI Protein Information	aryl-hydrocarbon-interacting protein-like 1
UniProt Comments for Aipl1	May be important in protein trafficking and/or protein folding and stabilization.
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/aryl-hydrocarbon-interacting-protein-like-1-aipl1/1319376