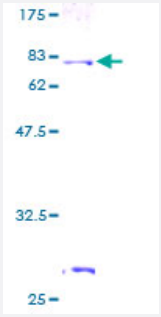
Full-Length

AIPL1 (Human) Recombinant Protein (P01)

Catalog # H00023746-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AIPL1 full-length ORF (AAH12055, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDAALLLNVEGVKKTILHGGTGELPNFITGSRVIFHFRTMKCDEERTVIDDSRQVGQPMHIIIGNMFK LEVWEILLTSMRVHEVAEFWCDTIHTGVYPILSRSLRQMAQGKDPTEWHVHTCGLANMFAYHTLG YEDLDELQKEPQPLVFVIELLQVDAPSDYQRETWNLSNHEKMKAVPVLHGEGNRLFKLGRYEEA SSKYQEAIICLRNLQTKEKPWEVQWLKLEKMINTLILNYCQCLLKKEEYYEVLEHTSDILRHHPGIVK AYYVRARAHAEVWNEAEAKADLQKVLELEPSMQKAVRRELRLLENRMAEKQEEERLRCRNMLS QGATQPPAEPPTEPPAQSSTEPPAEPPTAPSAELSAGPPAEPATEPPPSPGHSLQH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.98
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AIPL1

Entrez GeneID	23746
GeneBank Accession#	BC012055
Protein Accession#	AAH12055
Gene Name	AIPL1
Gene Alias	AIPL2, LCA4
Gene Description	aryl hydrocarbon receptor interacting protein-like 1
Omim ID	604392 604393
Gene Ontology	Hyperlink
Gene Summary	Leber congenital amaurosis (LCA) accounts for at least 5% of all inherited retinal disease and is t he most severe inherited retinopathy with the earliest age of onset. Individuals affected with LCA are diagnosed at birth or in the first few months of life with severely impaired vision or blindness, n ystagmus and an abnormal or flat electroretinogram. The photoreceptor/pineal -expressed gene, AIPL1, encoding aryl-hydrocarbon interacting protein-like 1, was mapped within the LCA4 candid ate region. The protein contains three tetratricopeptide motifs, consistent with nuclear transport or chaperone activity. AIPL1 mutations may cause approximately 20% of recessive LCA. [provided by RefSeq
Other Designations	-

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Disease

- Blindness
- Cataract
- Optic Atrophy
- Retinal Degeneration
- Retinal Diseases

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