

Recombinant Human AIPL1 Protein, GST-tagged

Cat. No. AIPL1-480H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AIPL1 full-length ORF (AAH12055, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Leber congenital amaurosis (LCA) is the most severe inherited retinopathy with the earliest age of onset and accounts for at least 5% of all inherited retinal diseases. Affected individuals are diagnosed at birth or in the first few months of life with nystagmus, severely impaired vision or blindness and an abnormal or flat electroretinogram. The photoreceptor/pineal-expressed gene, AIPL1, encoding aryl-hydrocarbon interacting protein-like 1, is located within the LCA4 candidate region. The encoded protein contains three tetratricopeptide motifs, consistent with chaperone or nuclear transport activity. Mutations in this gene may cause approximately 20% of recessive LCA. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Molecular Mass	67.98 kDa
AA Sequence	MDAALLLNVEGVKKILHGGTGELPNFITGSRVIFHFRTMKCDEERTVIDDSRQVGQ PMHIIIGNMFKLEVWEILLTSMRVHEVAEFWCDTIHTGVYPILSRSLRQMAQGKDPT WHVHTCGLANMFAYHTLGYEDLDELQKEPQPLVFVIELLQVDAPSDYQRETWNLSN HEKMKAVPVLHGEGNRLFKLGRYEEASSKYQEAIICLRNLQTKEKPWEVQWLKLEK

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MINTLILNYCQCLLKKEEYYEVLEHTSDILRHHPGIVKAYYVRARAHAEVWNEAEAKA
DLQKVLELEPSMQKAVRRELRLLENRMAEKQEEERLRCRNMLSQGATQPPAEPPT
EPPAQSSSTEPPAEPPTAPSAELSAGPPAEPATEPPPPSPGHSLQH

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[AIPL1 aryl hydrocarbon receptor interacting protein-like 1 \[Homo sapiens \]](#)

Official Symbol

[AIPL1](#)

Synonyms

AIPL1; aryl hydrocarbon receptor interacting protein-like 1; aryl hydrocarbon receptor interacting protein like 1, LCA4; aryl-hydrocarbon-interacting protein-like 1; LCA4; AIPL2;

Gene ID

[23746](#)

mRNA Refseq

[NM_001033054](#)

Protein Refseq

[NP_001028226](#)

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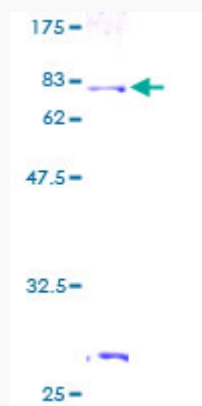
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MIM 604392

UniProt ID Q9NZN9

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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