

Recombinant Human AIPL1, His-tagged

Cat. No. AIPL1-9509H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AIPL1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-355a.a.
Description	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 diagnosed 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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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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
MIM	604392
UniProt ID	Q9NZN9
Chromosome Location	17p13.1
Function	binding; farnesylated protein binding; unfolded protein binding;

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