

Recombinant Human AIPL1 Protein, GST-tagged

Cat. No. AIPL1-481H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AIPL1 partial ORF (NP_055151.3, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>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]</p>
Molecular Mass	36.85 kDa
AA Sequence	MDAALLLNVEGVKKTILHGGTGELPNFITGSRVIFHFRTMKCDEERTVIDDSRQVGQ PMHIIIGNMFKLEVWEILLTSMRVHEVAEFWCDTIHTGVYPILS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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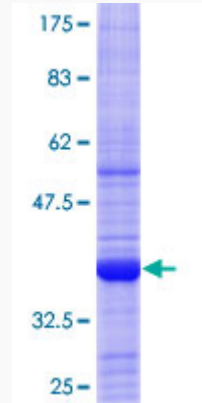
Antibody Production
Protein Array

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
MIM	604392
UniProt ID	Q9NZN9

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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