



# Recombinant Human Aryl-hydrocarbon-interacting protein-like 1 (AIPL1)

<b>Product Code</b>	CSB-EP882159HU-B
<b>Abbreviation</b>	AIPL1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NZN9
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDAALLLNVE GVKKTILHGG TGELPNFITG SRVIFHFRTM KCDEERTVID DSRQVGQPMH IIGNMFKLE VWEILLTSMR VHEVAEFWCD TIHTGVYPIL SRSLRQMAQG KDPTTEWHVHT CGLANMFAYH TLGYEDLDEL QKEPQPLVFN IELLQVDAPS DYQRETWNLS NHEKMKAVPV LHGEGNRLFK LGRYEEASSK YQEAIIICLRN LQTKEKPWEV QWLKLEKMIN TLILNYCQCL LKKEEYEVN EHTSDILRHH PGIVKAYYVR ARAHAEVWNE AEAADLQKV LELEPSMQKA VRRELRLLEN RMAEKQEEER LRCRNMLSQG ATQPPAEPPT EPPAQSSTEP PAEPPTAPSA ELSAGPPAEP ATEPPPSPGH SLQH
<b>Source</b>	E.coli
<b>Target Names</b>	AIPL1
<b>Protein Names</b>	Recommended name: Aryl-hydrocarbon-interacting protein-like 1
<b>Expression Region</b>	1-384
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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