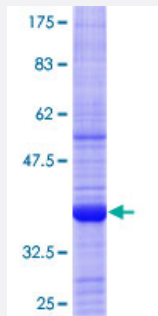


AIPL1 (Human) Recombinant Protein (Q01)

Catalog # H00023746-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human AIPL1 partial ORF (NP_055151.3, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDAALLLNVEGVKKTILHGGTGELPNFITGSRVIFHFRTMKCDEERTVIDDSRQVGQPMHIIIGNMFK LEVWEILLTSMRVHEVAEFWCDTIHTGVYPILS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
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.
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# [NM_014336](#)

Protein Accession# [NP_055151.3](#)

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 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. [provided by RefSeq]

Other Designations -

Disease

- [Blindness](#)
- [Cataract](#)

- [Optic Atrophy](#)
- [Retinal Degeneration](#)
- [Retinal Diseases](#)