

Recombinant Human AGPS Protein, GST-tagged

Cat. No. AGPS-438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGPS partial ORF (NP_003650, 559 a.a. - 658 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the FAD-binding oxidoreductase/transferase type 4 family. It encodes a protein that catalyzes the second step of ether lipid biosynthesis in which acyl-dihydroxyacetonephosphate (DHAP) is converted to alkyl-DHAP by the addition of a long chain alcohol and the removal of a long-chain acid anion. The protein is localized to the inner aspect of the peroxisomal membrane and requires FAD as a cofactor. Mutations in this gene have been associated with rhizomelic chondrodysplasia punctata, type 3 and Zellweger syndrome. [provided by RefSeq, Jul 2008]
Molecular Mass	36.74 kDa
AA Sequence	FAPFSTCRVTQTYDAGACIYFYFAFNRYRGISDPLTVFEQTEAAAREEILANGGSLSHH HGVGKLRKQWLKESISDVGFGLKSVKEYVDPNNIFGNRNLL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

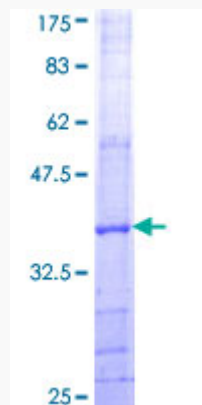
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	AGPS alkylglycerone phosphate synthase [Homo sapiens (human)]
Official Symbol	AGPS
Synonyms	AGPS; alkylglycerone phosphate synthase; ADAS; ADPS; RCDP3; ADAP-S; ADHAPS; ALDHPSY; alkylidihydroxyacetonephosphate synthase, peroxisomal; aging-associated gene 5 protein; aging-associated protein 5; alkyl-DHAP synthase; EC 2.5.1.26; Alkylglycerone Phosphate Synthase; Aging-Associated Gene 5 Protein; Alkyl-DHAP Synthase; Alkylidihydroxyacetonephosphate Synthase, Peroxisomal; Alkylglycerone-Phosphate Synthase; Aging-Associated Protein 5
Gene ID	8540
mRNA Refseq	NM_003659
Protein Refseq	NP_003650
MIM	603051
UniProt ID	O00116

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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