

Recombinant Human AGPS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AGPS-2415H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AGPS MS Standard C13 and N15-labeled recombinant protein (NP_003650) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	72.91 kDa
AA Sequence	MAEAAAAAGGTGLGAGASYGSAADRDRDPDPDRAGRRLRVLSGHLLGRPREALST NECKARRAASAATAAPTATPAAQESGTIPKKRQEVMMKWNGWGYNSKFIFNKKGQI ELTGKRYPLSGMGLPTFKEWIQNTLGVNVEHKTTSKASLNPSDTPPSVVDNEDFLHDL KETNISYSQEADDRVFRAHGHCLHEIFLLREGMFERIPDIVLWPTCHDDVVKIVNLAC KYNLCIPIGGGTSVSYGLMCPADETRTIISLDTSQMNRLWVDENNLTAHVEAGITGQ ELERQLKESGYCTGHEPDSLEFSTVGGWVSTRASGMKKNIYGNIEDLVVHIKMVTP

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RGIIEKSCQGPRMSTGPDIIHHFIMGSEGLGVITEATIKIRPVPEYQKYGSVAFPNFEQ
 GVACLREIAKQRCAPASIRLMDNKQFQFGHALKPQVSSIFTSFLDGLKKFYITKFKGF
 DPNQLSVATLLFEGDREKVLQHEKQVYDIAAKFGGLAAGEDNGQRGYLLTYVIAYIR
 DLALEYYVLGESFETSAPWDRVVDLCRNVKERITRECKEKGQVQFAPFSTCRVTQTY
 DAGACIYFYFAFNRYRGISDPLTVFEQTEAAAREEILANGGSLSHHHGVGKLRKQWLK
 ESISDVGFGLKSVKEYVDPNNIFGNRNLLTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

Gene ID 8540

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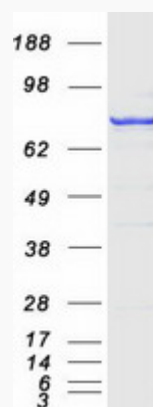
mRNA Refseq [NM_003659](#)

Protein Refseq [NP_003650](#)

MIM [603051](#)

UniProt ID [O00116](#)

SDS-PAGE



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