

Product datasheet for **TP320918**

Alkyl DHAP synthase (AGPS) (NM_003659) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human alkylglycerone phosphate synthase (AGPS), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220918 representing NM_003659 Red =Cloning site Green =Tags(s)

MAEAAAAAGGTGLGAGASYGSAADRDRDPDPDRAGRRLRVLSGHLLGRPREALSTNECKARRAASAATAA
PTATPAAQESGTIPKKRQEVMMKWNGWGYNDSKFIFNKKGQIELTGKRYPLSGMGLPTFKEWIQNTLGVNV
EHKTTSKASLNPSDTPPSVVDNEDFLHDLKETNISYSQEADDRVFRAHGHCLHEIFLLREGMFERIPDIVL
WPTCHDDVVKIVNLACKYNLCIPIGGGTSVSYGLMCPADETRTIISLDTSQMNRILWVDENNLTAHVEA
GITGQELERQLKESGYCTGHEPDSLEFSTVGGWVSTRASGMKKNYGNIEDLVVHIKMTVPRGIIKESQ
GPRMSTGPDIIHFIMGSEGLGVITEATIKIRPVPEYQKYGSVAFPNFEQGVACLREIAKQRCAPASIRL
MDNKQFQFGHALKPQVSSIFTSFLDGLKKFYITKFKGFDPNQLSVATLLFEGDREKVLQHEKQVYDIAAK
FGGLAAGEDNGQRGYLLTYVIAYIRDLALEYYVLGESFETSAPWDRVVDLCRNVKERITRECKEKGVQFA
PFSTCRVTQTYDAGACIYFYAFNYRGISDPLTVFEQTEAAAREEILANGGSLSHHHGVGKLRKQWLKES
ISDVGFGMLKSVKEYVDPNNIFGNRLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	67 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003650](#)

Locus ID: 8540

UniProt ID: [O00116](#)

RefSeq Size: 2074

Cytogenetics: 2q31.2

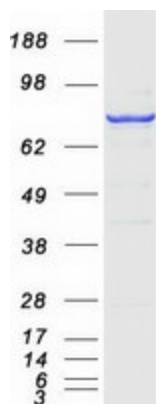
RefSeq ORF: 1974

Synonyms: ADAP-S; ADAS; ADHAPS; ADPS; ALDHPSY; RCDP3

Summary: 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]

Protein Pathways: Ether lipid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified AGPS protein (Cat# TP320918). The protein was produced from HEK293T cells transfected with AGPS cDNA clone (Cat# [RC220918]) using MegaTran 2.0 (Cat# [TT210002]).