

## 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 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAEAAAAAGGTGLGAGASYGSAADRDRDPDPDRAGRRLRVLSGHLLGRPREALSTNECKARRAASAATAA  
PTATPAAQESGTIPKKRQEVMMKWNGWGYNDSKFIFNKKGQIELTGKRYPLSGMGLPTFKEWIQNTLGVN  
V  
EHKTTKASLNPSDTPPSVWNEDFLHDLKETNISYSQEADDRVFRAHGHCLHEIFLLREGMFERIPDIVL  
WPTCHDDVVKIVNLACKYNLCIPIGGGTSVSYGLMCPADETRTIISLDTSQMNRIWLDENNLTAHVEA  
GITGQELERQLKESGYCTGHEPDSLEFSTVGGWVSTRASGMKKNIYGNIEDLVHIKMVTPRGIIEKSCQ  
GPRMSTGPDIIHFIMGSEGLGVITEATIKIRPVPEYQKYGSAVAFPNFEQGVACLREIAKQRCAPASIRL  
MDNKQFQFGHALKPQVSSIFTSFLDGLKKFYITKFKGFDPNQLSVATLLFEGDREKVLQHEKQVYDIAAK  
FGGLAAGEDNGQRGYLLTYVIAYIRDLALEYVVLGESFETSAPWDRVVDLCRNVKERITRECKEKGQVFA  
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

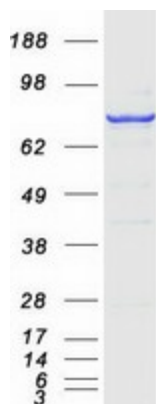
**RefSeq ORF:** 1974

**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]).