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Product datasheet for TP505612

Agpat5 (NM_026792) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) (Agpat5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205612 protein sequence Red=Cloning site Green=Tags(s) MLLSLVLHTYSMRYLLPSVLLLGSAPTYLLAWTLWRVLSALMPARLYQRVDDRLYCVYQNMVLFFFENYT GVQILLYGDLPKNKENVIYLANHQSTVDWIVADMLAARQDALGHVRYVLKDKLKWLPLYGFYFAQHGGIY VKRSAKFNDKEMRSKLQSYVNAGTPMYLVIFPEGTRYNATYTKLLSASQAFAAQRGLAVLKHVLTPRIKA THVAFDSMKSHLDAIYDVTVVYEGNEKGSGKYSNPPSMTEFLCKQCPKLHIHFDRIDRNEVPEEQEHMKK WLHERFEIKDRLLIEFYDSPDPERRNKFPGKSVHSRLSVKKTLPSVLILGSLTAVMLMTESGRKLYMGTW LYGTLLGCLWFVIKA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	42.2 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
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 after receiving vials.
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_081068
Locus ID:	52123

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UniProt ID:	Q9D1E8
RefSeq Size:	3829
Cytogenetics:	8 10.3 cM
RefSeq ORF:	1098
Synonyms:	1110013A05Rik; D8Ertd319e
Summary:	Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (PubMed:15367102). Acts on LPA containing saturated or unsaturated fatty acids C15:0-C20:4 at the sn-1 position using C18:1-CoA as the acyl donor (By similarity). Also acts on lysophosphatidylethanolamine using oleoyl-CoA, but not arachidonoyl-CoA, and lysophosphatidylinositol using arachidonoyl-CoA, but not oleoyl-CoA (By similarity). Activity toward lysophosphatidylglycerol not detectable (By similarity).[UniProtKB/Swiss-Prot Function]