OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP518907

Aplf (NM_001170489) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse aprataxin and PNKP like factor (Aplf), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218907 representing NM_001170489 Red=Cloning site Green=Tags(s) MPSDFFLQPLDGGPRVPVGPGQTVIGRGPLLGITDKRVSRRHAILEVVDSQLRIKPIHRNPCFYQSSEKS QHSPMETQVWSQLHPGDSFSLLLDKYAFRVFSAESEVEMECTLRNSQMLDEDDILSEMQKSPVVNLPDKT TGASQLQGSPEITKTKCPTIDPMSSSGECRAFSEHQPRPTQRKRILPAWMLAESLSDQSLSTPAEGGDKD VIQRSGKAGTCEDRTPGNTSWHGKKRLSPSGNSKSVSAEQDPGKKCRKADQEGPGVSSENVPESSSSNIV KDPDVDIVKTNKQKDGILIEELGEVSKHKAATKPTTNEEGESCARVQSKSPPEKSQGCHPESSSAPSSPD ALHTDTADPVLGCSEESKVRRTACMYGANCYRRNPLHFQHFSHPGDSDYGEVHGTDEGVIGDRPECPYGA SCYRKNPQHKMEYRHSALPARVALDEDDDDVGQPSDDEDEEDYEPTDEDSDWHPGKDDEEQEDVDELLKE AKSSLHLKH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	55.4 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_001163960

View online »

Locus ID:	72103
UniProt ID:	Q9D842
RefSeq Size:	3184
Cytogenetics:	6 D1
RefSeq ORF:	1497
Synonyms:	2010301N04Rik; AI452191
Summary:	Nuclease involved in single-strand and double-strand DNA break repair. Recruited to sites of DNA damage through interaction with poly(ADP-ribose), a polymeric post-translational modification synthesized transiently at sites of chromosomal damage to accelerate DNA strand break repair reactions. Displays apurinic-apyrimidinic (AP) endonuclease and 3'-5' exonuclease activities in vitro. Also able to introduce nicks at hydroxyuracil and other types of pyrimidine base damage. Together with PARP3, promotes the retention of the LIG4-XRCC4 complex on chromatin and accelerate DNA ligation during non-homologous end-joining (NHEJ). [UniProtKB/Swiss-Prot Function]