

Product datasheet for RC212972

ALP (PDLIM3) (NM_014476) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALP (PDLIM3) (NM_014476) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALP
Synonyms:	ALP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212972 representing NM_014476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCAGACGGTGATCCTCCCGGGCCCTGCGCCCTGGGGCTTCAGGCTCTCAGGGGGCATAGACTTCA
ACCAGCCTTTGGTCATCACCAGGATTACACCAGGAAGCAAGGCGGCAGCTGCCAACCTGTGTCTGGAGA
TGTCATCTGGCTATTGACGGCTTTGGGACAGAGTCCATGACTCATGCTGATGCCGAGGACAGGATTA
GCAGCAGCTCACCAGCTGTGTCTCAAAATTGACAGGGGAGAACTCACTTATGGTCTCCACAAGTATCTG
AAGATGGGAAAGCCATCCTTTCAAAATCAACTTAGAATCAGAACCACAGGACGGGAACACTTTGAACA
CAAGCATAATATTCGGCCCAAACCTTTCTGTGATCCCGGGCCGAAGCAGTGGATGCAGCACTCCCTCCGGG
ATTGACTGTGGCAGTGGACGCAGCACCCCTTCTTCTGTGACTGTTAGTACCATTTGCCAGGTGACT
TGAAAGTTGCGGCTAAGCTGGCCCTAACATTCCTTTGGAAATGGAACCTCCTGGTGTGAAGATTGTACA
TGCTCAGTTTAAACACCTATGCAGTTGTACTCAGATGACAATATTATGGAAACTCCAGGGTCAGGTT
TCAACAGCCCTAGGGGAAACACCTTTGATGAGCGAGCCACAGCCTCGGTGCCCCCGAGTCGGACGTGT
ACCGGATGCTCCACGACAATCGGAATGAGCCACACAGCCTCGCCAGTCGGGCTCCTTCAGAGTGTCCA
GGGAATGGTGGACGATGGCTCTGATGACCGTCCGGCTGGAACGCGGAGTGTGAGAGCTCCGGTGACGAAA
GTCCATGGCGGTTCAGGGGGGCACAGAGGATGCCGCTCTGTGACAAATGTGGAGTGGCATAAGTTGGTG
CTGTGGTGAAGGCGGGATAAGTACCGCACCTGAGTGCTTCTGTGTGTGCCGACTGCAACCTCAACCT
CAAGCAAAGGGCTACTTCTTATAGAAGGGAGCTGACTGCGAAACCCACGCAAGAGCCCGCACAAAG
CCCCAGAGGGCTATGACACGGTCACTCTGTATCCCAAAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_014476.6](#)

RefSeq Size: 1722 bp

RefSeq ORF: 1095 bp

Locus ID: 27295

UniProt ID: [Q53GG5](#)

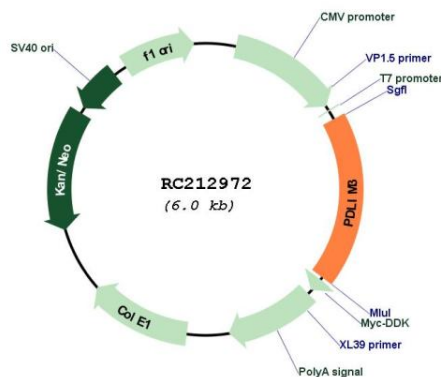
Cytogenetics: 4q35.1

Domains: PDZ, LIM, ZM

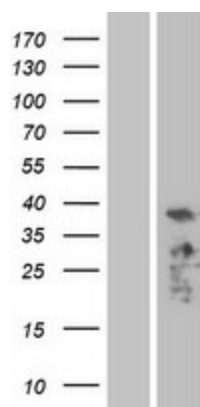
MW: 39.1 kDa

Gene Summary: The protein encoded by this gene contains a PDZ domain and a LIM domain, indicating that it may be involved in cytoskeletal assembly. In support of this, the encoded protein has been shown to bind the spectrin-like repeats of alpha-actinin-2 and to colocalize with alpha-actinin-2 at the Z lines of skeletal muscle. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Aberrant alternative splicing of this gene may play a role in myotonic dystrophy. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RC212972



Western blot validation of overexpression lysate (Cat# [LY402338]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212972 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).