

Product datasheet for RC200301

CLPP (NM_006012) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLPP (NM_006012) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLPP
Synonyms:	DFNB81; PRLTS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200301 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCCCGGAATATTGGTAGGGGGGCCGGGTGGCGTCATGCAGGTACCCCGCGCTGGGGCCTCGCC
TCGCCGCTCACTTTCCAGCGCAGCGGCCCGCAGCGGACTCCAGAACGGCCTGGCCCTGCAGCGGTG
CCTGCACGCGACGGCGACCCGGGCTCTCCCGCTCATTCCCATCGTGGTGGAGCAGACGGGTGCGGGCAG
CGCGCCTATGACATCTACTCGCGGTGCTGCGGGAGCGCATCGTGTGCGTCATGGCCCGATCGATGACA
GCGTTGCCAGCCTTGTTATCGCACAGCTCCTTCTCCTGCAATCCGAGAGCAACAAGAAGCCCATCCACAT
GTACATCAACAGCCCTGGTGGTGTGGTGACCGCGGCCCTGGCCATCTACGACACGATGCAGTACATCCTC
AACCCGATCTGCACCTGGTGGTGGGCCAGGCCCGCCAGCATGGGTCCCTGCTTCTCGCCCGCGCACCC
CAGGCATGCGCCACTCGCTCCCCAACTCCCGTATCATGATCCACCAGCCCTCAGGAGGCGCCCGGGGCCA
AGCCACAGACATTGCCATCCAGGCAGAGGAGATCATGAAGCTCAAGAAGCAGCTCTATAACATCTACGCC
AAGCACACAAACAGAGCCTGCAGGTGATCGAGTCCGCATGGAGAGGGACCGCTACATGAGCCCATGG
AGGCCAGGAGTTTGGCATCTTAGACAAGTTCTGGTCCACCCTCCCAGGACGGTGAGGATGAGCCAC
GCTGGTGCAGAAGGAGCCTGTAGAAGCAGCGCCCGCAGCAGAACCTGTCCAGCTAGCACC

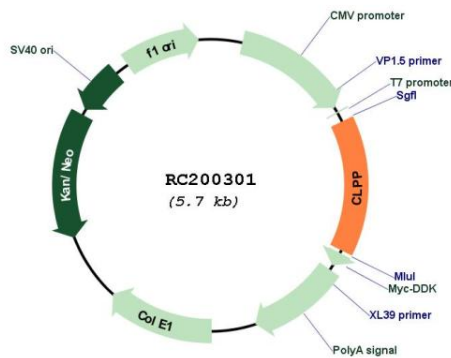
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



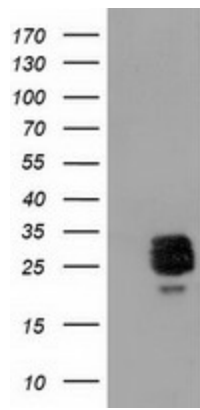
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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 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_006012.4
RefSeq Size:	1194 bp
RefSeq ORF:	834 bp
Locus ID:	8192
UniProt ID:	Q16740
Cytogenetics:	19p13.3
Domains:	CLP_protease
Protein Families:	Druggable Genome, Protease
MW:	30.2 kDa
Gene Summary:	The protein encoded by this gene belongs to the peptidase family S14 and hydrolyzes proteins into small peptides in the presence of ATP and magnesium. The protein is transported into mitochondrial matrix and is associated with the inner mitochondrial membrane. [provided by RefSeq, Jul 2008]

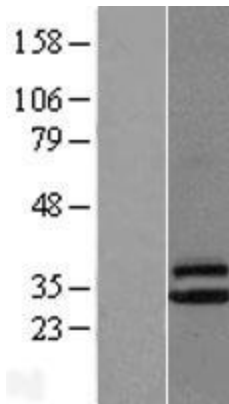
Product images:



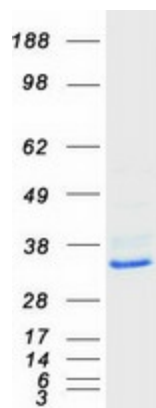
Circular map for RC200301



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CLPP (Cat# RC200301, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CLPP (Cat# [TA502061]). Positive lysates [LY416925] (100ug) and [LC416925] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416925]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200301 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CLPP protein (Cat# [TP300301]). The protein was produced from HEK293T cells transfected with CLPP cDNA clone (Cat# RC200301) using MegaTran 2.0 (Cat# [TT210002]).