

Product datasheet for **RG234652**

CLPB (NM_001258393) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLPB (NM_001258393) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLPB
Synonyms:	ANKCLB; HSP78; MEGCANN; MGCA7; SKD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234652 representing NM_001258393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGGGTCCCTGGTGTGAGGAGAAAAGCACTGGCGCCACGGCTACTCCTCCGGCTGCTCAGGTCCC
 CAACGCTCCGGGGCCATGGAGGTGCTTCCGGCCGGAATGTGACTACTGGGAGTCTCGGGGAGCCGAGTG
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 CCGAAGAAACTCCAGGACAGGACAGCTGGAACGGGGTCCCCAGCAGGGCCGGACTGGGCATGTGCGC
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 CGCAGACTGGACATCCGGGCACCACTGCACCCTGAGAAGGTGTGCAACCCATC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234652 representing NM_001258393
 Red=Cloning site Green=Tags(s)

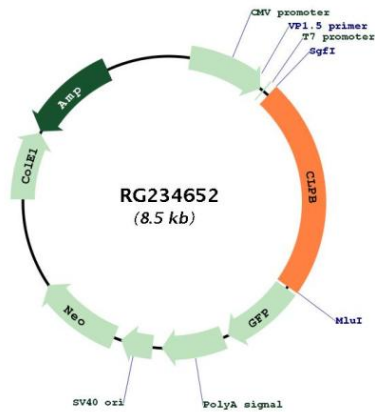
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 IDKSKTRRLDIRAPLHPEKVCNTI

TRTRPLE – GFP Tag – V

Cytogenetics: 11q13.4

Gene Summary: This gene belongs to the ATP-ases associated with diverse cellular activities (AAA+) superfamily. Members of this superfamily form ring-shaped homo-hexamers and have highly conserved ATPase domains that are involved in various processes including DNA replication, protein degradation and reactivation of misfolded proteins. All members of this family hydrolyze ATP through their AAA+ domains and use the energy generated through ATP hydrolysis to exert mechanical force on their substrates. In addition to an AAA+ domain, the protein encoded by this gene contains a C-terminal D2 domain, which is characteristic of the AAA+ subfamily of Caseinolytic peptidases to which this protein belongs. It cooperates with Hsp70 in the disaggregation of protein aggregates. Allelic variants of this gene are associated with 3-methylglutaconic aciduria, which causes cataracts and neutropenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for RG234652