

Product datasheet for **RC205410**

CAPSL (NM_001042625) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CAPSL (NM_001042625) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CAPSL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205410 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATCCAGGCCAAGAAAAAGCTCACACGGCCACCAACCCATTGAAAGACTCCGACTGCAGTGCC
TGGCCAGGGGCTCTGCTGGGATCAAAGGACTTGGCAGAGTGTTTAGAATTATGGATGACGATAATAATCG
AACCTTGATTTTAAAGAATTTATGAAAGGGTTAAATGATTATGCTGTGGTCATGAAAAAGAAGAGGTG
GAAGAATTTCCGGAGGTTTGATAAAGATGAAATGGAACAATAGACTTCAATGAATTTCTCTCACAT
TAAGACCTCCAATGTCCAGAGCCAGAAAAGAGGTAATCATGCAAGCTTTTAGAAAGTTAGACAAGACTGG
AGATGGTGTTATAACAATCGAAGACCTTCGTGAAGTATATAATGCAAAACACCACCAAAAGTACCAGAAT
GGGAATGGAGTGAGGAACAAGTATTTAGGAAATTTCTGGATAACTTTGATTCACCTATGACAAAGATG
GATTGGTGACCCCTGAGGAGTTCATGAACTACTATGCAGGTGTGAGCGCATCCATTGACTGATGTGTA
CTTCATCATCATGATGAGAACCCTGGAAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205410 protein sequence
Red=Cloning site Green=Tags(s)

MAIQAKKKLTTATNPIERLRLQCLARGSAGIKGLGRVFRIMDDDDNRTLDFKEFMKGLNDYAVVMEKEEV
EELFRRFDKDGNGTIDFNEFLLTLRPPMSRARKEVIMQAFRKLDKTGDGVITIEDLREVYNKHHPKYQN
GEWSEEQVFRKFLDNFSPYDKGLVTPPEEFMNYAGVSASIDTDVYFIIMMRTAWKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6316_h07.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042625

ORF Size: 594 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:
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 Size: 987 bp

RefSeq ORF: 627 bp

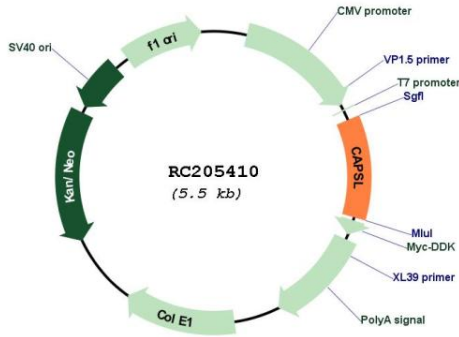
Locus ID: 133690

UniProt ID: [Q8WWF8](#)

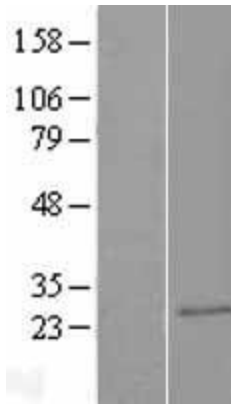
Cytogenetics: 5p13.2

MW: 23.1 kDa

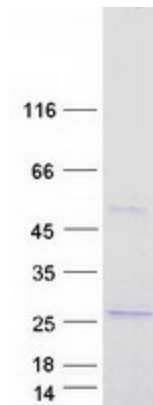
Product images:



Circular map for RC205410



Western blot validation of overexpression lysate (Cat# [LY408188]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC211974] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CAPSL protein (Cat# [TP305410]). The protein was produced from HEK293T cells transfected with CAPSL cDNA clone (Cat# RC205410) using MegaTran 2.0 (Cat# [TT210002]).