

Product datasheet for **VC102185**

2A mature peptide (NC_001489) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2A mature peptide (NC_001489) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2A mature peptide
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102185 represents NCBI reference of NP_740553 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCATATTGAGTGCCGGAAGCCCTACAAGAACTTAGACTCGAGGTGGGAAGCAGAGACTGAAAT
ATGCCCAGGAGGAGCTTAGTAATGAGGTGCTCCCGCTCCACGCAAGATGAAGGGACTGTTTTCCAGGC
CAAGATCTCCTTGTGTTTATACGGAAGAACACGAAATAATGAAGTTCAGTTGGCGAGGGGTCACGGCAGAC
ACAAGAGCCCTCAGACGCTTTGGCTTAGCCTCGCTGGCCGGAGCGTGTGGACATTGGAGATGGAC
CCGGTGTCTTACGGGCCGGCTGATCCGCTGAACGACGAGAAGTGGACAGAGATGAAGGATGATAAGAT
AGTAAGTCTGATTGAGAAGTTCACCTCCAACAAGTATTGGTCAAAAGTGAATTTCCCATGGCATGTTG
GATCTGGAAGAAATCGCAGCTAATAGTAAAGATTTCCCTAACATGAGTAAAACCGACTTGTGTTTCTGC
TCCATTGGCTGAACCCAAAGAAGATAAACTTGGCGGATAGGATGCTGGCCTGAGCGGTGTGCAGGAGAT
CAAAGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC102185 representing NP_740553 Red=Cloning sites Green=Tags
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MSHIECRKPYKELRLEVKGQRLKYAQEELSNEVLPPPRKMKGLFSQAKISLFYTEEHEIMKFSWRGVTAD
TRALRRFGFSLAAGRSVWTLMDAGVLTGRLIRLNDEKWTEMKDDKIVSLIEKFTSNKYWSKVNFPHGML
DLEEIAANSKDFPNMSETDLCFLHLNPKKINLADRMLGLSGVQEIKEQ

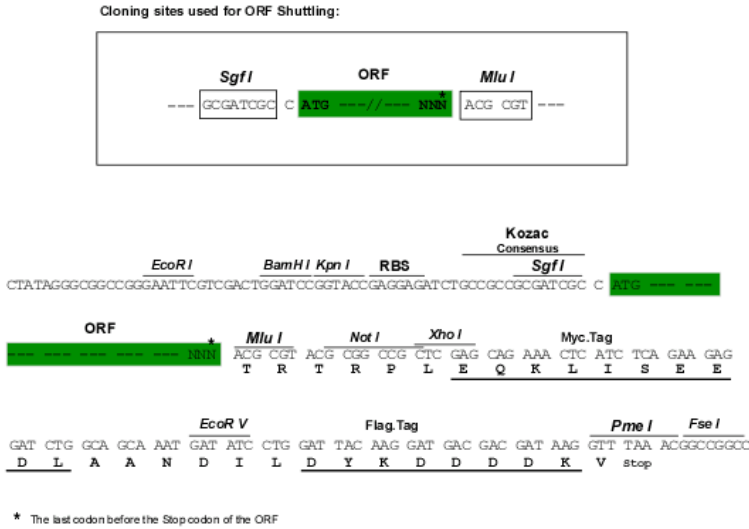
TRTRRLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001489

ORF Size: 570 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

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: [NC_001489.1](#), [NP_740553](#)

RefSeq ORF: 570 bp

MW: 22.1 kDa