

Product datasheet for **VC101497**

U56 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U56 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101497 represents NCBI reference of NP_050237 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCGTGTACTGTACCTTTGATCATAAGCTGTCCCTGAGTGACATCTCCACGCTTTGTAAGCTTA
TGAACATCGTCATCCCGATCCCCGCCACCACCACTTGATCGGGTCCGGCAATTTGGGTCTCTATCCAAT
CGTCTCCTCCAATAAGGATTATGTGCATATTCGGAATGTTCTTCGCACAATGGTTGTCACAATCCTCCAG
AAGGTGGAGGGAACCAACTCGTACTGCGAAAGCCCATGACCGGGCAGCAGTATGCTATCAAAAATACCG
GCCATTCCCCTGGGAGAAGGGTGACACACTCACCTGATCCCACCCCTGTCAACCCATAGCGAGGAAAA
GCTCCTGAAGCTTGGCGACTGGGAAGTACAGTGCCTTGGTGGTGGCCACAGCTATTGCCGCCGAGATA
AATATCCGCTGCTTTGTATCGGCCTGATTGCGGTCCATCGGGAGTATAATGAAATGCAAATATTATTG
ATGAATTGTGCTCCATTCAATACAGAGATGACTGATCAAAGTCCCGACATCGTTAATGACAAACAGAG
TATGACTCTATGAAGACGGCATGCATCTCACTGAGTATGATCACCGCCATGGCGCCAGACATTGTGAGA
ACATACATCGACAGGTTGACATTGGAGGACCACTCTATGTTGCTCATTAAATGCCAGGAGCTGCTTTCCA
AGAGGACCACCTTTCCACCCAGAGGTGCGGTCAACTCCATGCAACTGATATCAAGGATGAACCAAAAA
AATCAAGAGCGTGCTCAGATGATAGATCAAATCAATAGCCTCACCAACGAAAAAACCTACTTTGTCGTC
TGTGATGTCTCTGCCGACAATCGAATGGCAACATGCATCTACAAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101497 representing NP_050237
Red=Cloning sites Green=Tags

METVYCTFDHKLSDISTLCKLMNIVIPIPAHHHLIGSGNLGLYPIVSSNKDYVHIRNVLRTMVVTILQ
 KVEGNQLVLRKPMTGQQYAIKNTGPFPEKGDTLTIPPLSTHSEKLLKLDGWELVPLVPTAIAAEI
 NIRLLCIGLIAVHREYNEMQTIIDELCSIQYRDVLIKLPDIVNDKQSMYSMKTACISLSMITAMAPDIVR
 TYIDRLTLEDHSMILLKQCELLSKRTTLSTQRCGQLHATDIKDELKIKSVLTMIDQINSLTNEKTYFVV
 CDVSADNRMATCIYKN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 888 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_000898.1, NP_050237
RefSeq ORF: 888 bp
Locus ID: 1497058
MW: 33.5 kDa