

Product datasheet for VC100969

ORF28 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF28 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100969 represents NCBI reference of NP_040151 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATTCGGACAGGTTTCTGCAATCCTTTCTTACCCAGGCCAGCGGTATAAAATACAACCCTCGAA
CTGGACGCGGTAGCAATCGGGAATTCCTCACTCCTATAAGACTACGATGAGCTCTTTTCAGTTTTTGGC
CCCCAAGTGCCTCGACGAGGATGTACCCATGGAAGAGAGAAAAGGGGTTTCATGTGGGGACTTCAGCCGC
CCACCTAAAGTATATTGCAACGGGAAGGAGGTCCCAATCCTCGACTTTAGATGCAGCTCACCTTGGCCTC
GGCGCGTGAACATCTGGGGGAGATCGATTTTCGCGGAGATAAGTTTGACCCCGGTTTAAACACCTTCCA
CGTCTATGACATCGTGGAACTACAGAGGCGCCTCCAACGGGGATGTATCAAGATTTGCCACTGCCACA
AGGCCACTGGAACTGTTATTACCCTCTTGGGGATGAGCAGGTGCGGCAAGCGGGTGGCCGTGCATGTTT
ACGGCATTGTCAATACTTTTATTAACAAGGCCGAAGTGGATACCGCCTGTGGCATTAGGAGTGGGAG
CGAGCTGTCTGTGCTCCTGGCAGAATGTCTGAGGTCTCTATGATAACGCAGAACGACGCGACCCTCAAT
GGTGACAAGAATGCATTCCACGGCACTAGCTTCAAATCAGCCAGTCTGAATCTTCCGGGTAGAGGTAA
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CGGGCTACAACATTGTTAACTTTGACTGGCCCTCATTATGGAAAACTCAATAGCATTACAGCCTGAA
ATTGGATGGCTATGGCAGTATCAACCGAGGGGATTGTTTAAAACTGGGACGTGGGAAAGTCTGGGTTT
CAACGAAGGTCAAAGGTGAAGATTAACGGACTGATCTCACTGGATATGTATGCTATAGCAACAGAAAAAC



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TGAAGTTGTCTTCTTATAAACTTGATAGCGTGGCTCGCGAAGCGCTGAACGAGTCTAAACGGGACCTTCC
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CGTGAGTATAGCTGAGTGAATAGAAGAGCGATGCCTAGTGGTATGGCCGGCTTCGGACGGATTATTGCT
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GATACCAAAGTACAGAGCGACTTCTGAAACGCTTCATACCAGAGACCAGAGTGGTTAACGTCAAGATGC
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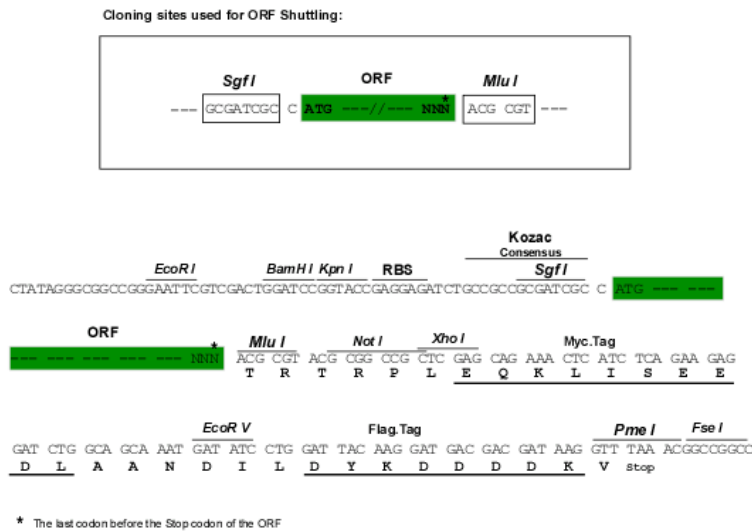
Protein Sequence: >VC100969 representing NP_040151
 Red=Cloning sites Green=Tags

MAIRTFGCNPFLLTQASGIKYNPRTGRGSNREFLHSYKTTMSSFQFLAPKCLDEDVPMEEKGVHVGTLR
 PPKVYVYCNKQKEVPIIDFRCSPPWRRVNIWGEIDFRGDKFDPFRNTFHVYDIVETTEASNGDVSRFATAT
 RPLGTVITLLGMSRCGRVAVHVYVIGICQYFYINKAEVDTACGIRSGSELVLLAECLRSSMITQNDATLN
 GDKNAFHGTSFKSASPESFRVEVIERTDVYYYDTQPCAFYRVYSPSSKFTNYLCDNFHPELKKYEGRVDA
 TTRFLMDNPGFVSFGWYQLKPGVDGERVVRPASRQLTLDVVEIDCSDNLQAI PNDDSWPDYKLLCFDI
 ECKSGGSNELAFDPATHLEDLVIQISCLLYSIPRQSLEHILLFSLGSCDLPQRYVQEMKDAGLPEPTVLE
 FDSEFELLIAFMTLVKQYAFEFATGYNIVNFDWAFIMEKLNISIYSLKLDGYGSINRGGFLKIWDVGKSGF
 QRRSKVKINGLISLDMYAIATEKLLSSYKLDVAREALNESKRDLPYKDIPGYASGPNTRGIIGEYCI
 QDSALVGKLFKYLPHLELSAVARLARITLTKAIYDQQVRIYTCLLGLASSRGFILDGGYPATFEYKD
 VIPDVGDVEEEMDEDESVSPTGTSSGRNVGYKGARVFDPTGFYIDPVVVLDFASLYPSIIQAHNLCFTT
 LTLNFETVKRLNPSDYATFTVGGKRLFFVRSNVRESLLGVLLKDWLAMRKAIRARIPGSSSDEAVLLDKQ
 QAAIKVVCNSVYGTGVAQGFPLCLYVAATVTTIGRQMLLSTRDYIHNNWAAFERFITAFPDISSVLSQ
 KAYEVKVIYGDTSVFIKFKGVSVEGIAKIGEKMAHIIISTALFCPPIKLECEKTFIKLLITKKKYIGVI
 YGGKVLKMGVDLVRKNNCQFINDYARKLVELLLYDDTVSRAAAEASCVSI AEWNRAMPSPMAGFGRIIA
 DAHRQITSPKLDINKFVMTAELSRPPSAYINRRLAHLTVYYKLVMRQQQIPNVRERIPYVIVAPTDEVEA
 DAKSVALLRGDPLQNTAGKRCGEAKRKLIIISDLAEDPIHVTSHGLSLNIDYFVSHLIGTASVTFKALFGN
 DTKLTERLLKRFIPETRVVNVKMLNRLQAAGFVCIHAPCWDNKMNTEAEITEEEQSHQIMRRVFCIPKAI
 LHQS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001348

ORF Size: 3582 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:	<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:	NC_001348.1 , NP_040151
RefSeq ORF:	3582 bp
Locus ID:	1487712
UniProt ID:	P09310
MW:	134.0 kDa