

Product datasheet for **RC233094**

DPP3 (NM_001256670) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP3 (NM_001256670) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DPP3
Synonyms:	DPPIII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC233094 representing NM_001256670
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGACACCCAGTACATCTGCCCAATGACATCGGCGTGTCTAGCCTGGACTGCCGTGAGGCCCTTCC
GCCTGCTGTACCCACAGAGCGCCTCTATGCCTACCACCTGTCCCGTGCCGCCTGGTACGGAGGCCCTGGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC233094 representing NM_001256670
 Red=Cloning site Green=Tags(s)

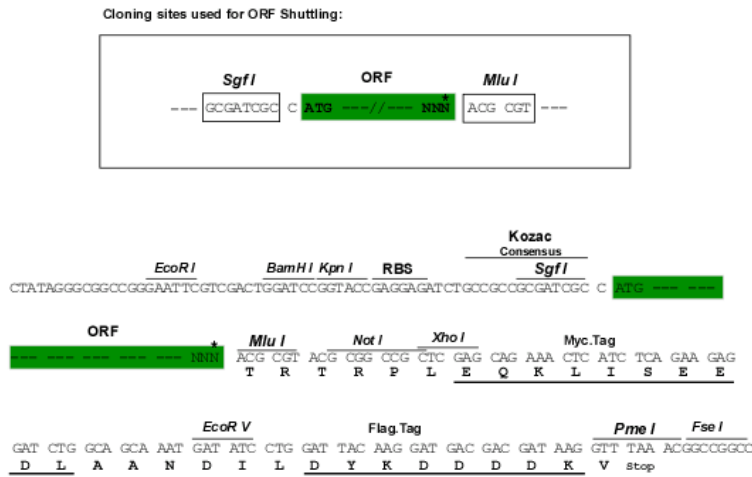
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 FAGSGIPAGINIPNYDDL RQTEGFKNVSLGNVLA VAYATQREKLT FLEEDDKDL YILWKGPSFDVQVGLH
 ELLGHGSGKLFVQDEKGA FNFDQETVINPETGEIQSWYRSGETWDSKFSTIASSYEECRAESVGLYLCL
 HPQVLEIFGFEGADAEDVIYVNWLN MVRAGLLAL E FYTPEAFNWRQAHMQARFVILRVLLEAGEGLVTIT
 PTTGSDGRPDARVRLDRSKIRSVGK PALERFLRRLQVLKSTGDVAGGRAL YEGYATVTDAPPECFLTLRD
 TVLLRKESRKLIVQPNTRLEGSVQLLE YEASAAGLIRSF SERFPEDGPELEEIL TQLATADARFWKGPS
 EAPSGQA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

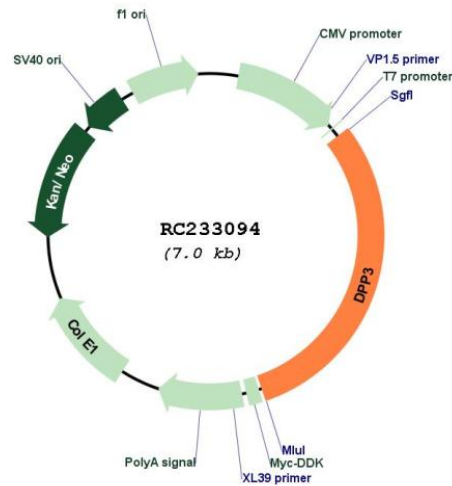
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001256670

ORF Size: 2121 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: [NM_001256670.2](#)

RefSeq Size: 3008 bp

RefSeq ORF: 2124 bp

Locus ID:	10072
UniProt ID:	Q9NY33
Cytogenetics:	11q13.2
Protein Families:	Druggable Genome, Protease
MW:	79.8 kDa
Gene Summary:	<p>This gene encodes a protein that is a member of the M49 family of metallopeptidases. This cytoplasmic protein binds a single zinc ion with its zinc-binding motif (HELLGH) and has post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Increased activity of this protein is associated with endometrial and ovarian cancers. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2012]</p>