

Product datasheet for **RR214730**

Ugp2 (NM_001024743) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugp2 (NM_001024743) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214730 representing NM_001024743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGAGATTTGTACAAGATCTTAGCAAAGCTATGTCTCAAGATGGTGCTTCTCAGTTCCAAGAGGTCA
 TTCTCCAAGAAGCTAGAATTATCTGTGAAGAAAGAATTAGAAAAATACTTACCACAGCAACCTCACATGA
 GTTTGAGCACACTAAGAAAGATCTTGATGGATTCGGAAGCTATTTACAGATTTTTGCAAGAAAAGGGG
 CCTTCTGTAGACTGGGGTAAAAATCCAGAGACCTCCGGAAGATTCGATTCAACCCTATGAAAAGATAAAGG
 CCAGAGGCTTGCCTGATAACATATCTTCTGTGTTGAACAACTGGTGGTAGTAACTCAATGGTGGTTT
 GGGAAACCAGCATGGGCTGCAAAGGCCCTAAAAGTCTGATTGGTGAAGAAATGAGAATACCTTTTTGGAT
 CTAACCGTTCAGCAAATGAACATCTGAACAAAACCTATAATACAGATGTCCGCTCGTATTAATGAATT
 CTTTTAACACGGATGAGGATACAAAAAATACTCCAGAAGTACAATCATTGTCGTGAAAATCTACAC
 CTTCAATCAAAGCAGGTACCCGAGGATTAATAAGGAATCTCTACTTCTATAGCAAAGGACGTATCTTAT
 TCAGGGGAAAAACTGAAGCTTGGTACCCTCCAGGACATGGGGACATCTATGCCAGTTTCTACAACCTCTG
 GTTTGCTCGACACCTTCATAGAAGAAGGCAAGGAGTATTTTTGTGTCTAACATAGACAACCTGGGTGC
 CACAGTGGATCTTTATATCTTAATCATCTAATGAACCCACCAATGGGAAACGCTGTGAATTTGTCATG
 GAAGTCACAAATAAACACGGGCAGACGTAAGGGTGGGACACTCACTCAGTACGAAGGCAAACCTGAGGC
 TGGTGGAGATTGCTCAGGTGCCAAAGCACACGTTGATGAGTTCAAGTCTGTGTCAAAATTTAAATATT
 TAACACAAACAACCTATGGATCTCCCTGGCCCGCTTAAAAGACTGCAGGAACAGAATGCTATTGACATG
 GAAATCATTGTGAACCAAGACATTGGATGGAGGCCTGAATGTTATTCAAGTGAAGAACTGCAGTTGGAG
 CGGCAATTAAGGTTTCGAGAATCTTTAGGTATTAATGTTCCAAGGAGTCGTTTTCTGCCTGTGAAAAA
 CACATCAGATCTCTTACTTGTGATGTCAAACCTCTACAGCTTAACGCAGGATCTTTGACCATGAGTGAA
 AAGCGTGAATTTCTACGGTACCTTTGGTTAAATTAGGCAGTTCTTTTACCAAGGTTCAAGATTATCTAA
 GAAGGTTTGAAGTATACCCGATATGTTGGAACGGACCACCTCACGGTTTCAGGAGATGTAACATTTGG
 AAAAAATGTTTCATTAAGGGAACAGTTATCATCATTGCAAAATCATGGTGACAGAATTGACATCCCCCA
 GGAGCAGTGTTAGAGAACAAGATTGTATCTGGAAACCTTCGGATCCTGGACCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214730 representing NM_001024743
 Red=Cloning site Green=Tags(s)

MSRFVQDLSKAMSQDGASQFQEVILQELEL SVKKELEKILTTAT SHEFEHTKKDL DGFRL FHRFLQEKG
 PSVDWGKIQRPPEDSIQPYEKIKARGLPDNISSVLNKL VVVKLNGGLGTSMGCKGPKSLIGVRNENTFLD
 LTVQQIEHLNKTYNVDVPLVLMNSFNTDEDTKKILQKYNHCRVKIYTFNQSRYPINKESLLPIAKDVSY
 SGENTEAWYPPGHGDIYASFYNSGLLDTFIEEGKEYIFVSNIDNLGATVDLYILNHLMNPPNGKRCEFVM
 EVTNKTRADVKGGLTQYEGKLRLEIAQVPAHVDEFKSVSKFKIFNTNWLWISLA AVKRLQEQNAIDM
 E.IIVNPKLTDGGLNVIQLETA VGAAIKSFENSLGINVPRSRLFPVKTTSDLLL VMSNLYSLNAGSLTMSE
 KREFPTVPLVKLGSSFTKVQDYLRRFESIPDMLELDHLTVSGDVTFGKNVSLKGTVIIIANHGDRIDIPP
 GAVLENKIVSGNLRILDH

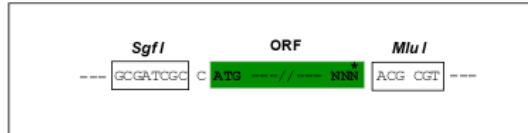
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001024743

ORF Size: 1524 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_001024743.1](#), [NP_001019914.1](#)
RefSeq Size: 2138 bp

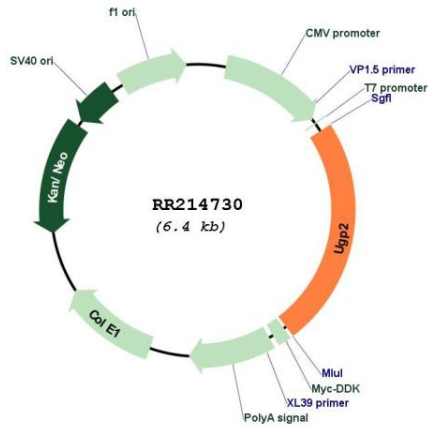
RefSeq ORF: 1527 bp

Locus ID: 289827

Cytogenetics: 14q22

MW: 57 kDa

Product images:



Circular map for RR214730