

## Product datasheet for **MR207977**

### Ugp2 (BC025585) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ugp2 (BC025585) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugp2
Synonyms:	MGC38262
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207977 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTCAAGATGGTCTTCTCAGTTCCAAGAGGTCATTCTCCAAGAAGTCTCAAGAACTAGAATTATCTGTGAAGAAAG  
 AATTAGAAAAAATACTTACCACAGCAGCCTCACATGAGTTTGGACACACTAAAAAGATCTTGATGGATT  
 TCGGAAGCTATTTTCATAGATTTTTGCAAGAAAAGGACCGTCTGTGGACTGGGGTAAAATCCAGAGACCT  
 CCAGAAGATTCGATTCAACCCTATGAAAAGATAAAAGCCAGAGGCTTGCCTGATAACATATCTTCTGTGT  
 TGAACAAGTTGGTGGTAGTGAAGTCAATGGTGGTTTGGGAACCAGCATGGGCTGCAAAGGCCCTAAAAG  
 TCTGATTGGTGAAGAAATGAGAACACCTTTTTGGATCTAACTGTTTCAAGCAATTTGAACATTTGAACAAA  
 ACCTATAATACAGATGTTCTCTCGTTTTAATGAATCTTTAACACGGATGAAGATACCAAAAAATAC  
 TCCAGAAGTACAATCACTGTCGTGTGAAAATCTACACCTCAATCAAAGCAGGTACCGAGGATCAATAA  
 GGATCTCTACTTCTATAGCAAAGGATGTGTCTTATTAGGGGAAAATACTGAAGCTTGGTACCCTCCA  
 GGCATGGAGATATCTATGCTAGTTTCTACAATCTGGCTTGGCTCGATACCTTTATAGAAGAAGGCAAAG  
 AGTATATTTTTGTGTCTAACATAGATAATCTGGGTGCCACAGTGGATCTTTATATTTCTTAATCACCTGAT  
 GAACCCACCCAATGGGAAGCGCTGTGAGTTGTGCATGGAAGTCAACAAAACACGAGCAGATGTTAAG  
 GGTGGGACACTCACTCAGTATGAAGGCAAAGTGGACTGGTGGAAATCGCTCAAGTGCCCAAAGCACACG  
 TTGATGAGTTCAAGTCTGTGTCAAAATTTAAAATTTAACACAAAACCACTATGGATTTCTCTGGAGC  
 AGTTAAAAGACTTCAGGAACAGAATGCCATTGACATGGAATCATTGTGAATCCAAGACATTGGATGGA  
 GGCCTGAATGTAATTCAGTTAGAACTGCAGTTGGAGCTGCAATAAAAGTTTCGAGAATCTTTAGGTA  
 TTAATGTTCCAAGGAGTCTTTCTGCCTGTGAAAACCACATCAGATCTTTGCTGTGATGCAAACT  
 CTATAGCCTTAACGCAGGATCTCTGACCATGAGTAAAAGCGTGAATCCCTACAGTGCCCTGGTTAAA  
 TTAGGCAGTTCTTTACCAAGGTTCAAGATTATCTAAGAAGGTTTAAAAGTATACCCGATATGCTGGAAC  
 TGGACCACCTCACTGTTTCAGGAGATGTGACATTTGAAAAAATGTTTCACTAAAGGGAACAGTTATTAT  
 TATTGCAATCATGGTGACAGAATTGACATCCCCCAGGAGCCGTGTAGAGAACAAGATTGTATCTGGA  
 AACCTTCGGATCCTGGATCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207977 protein sequence  
 Red=Cloning site Green=Tags(s)

MSQDGASQFQEVILQELEL SVKKELEKILTTAASHEFEHTKKDLDFRKL FHRFLQEKGPSVDWGKI QRP  
 PEDSIQPYEKIKARGLPDNISSVLNKL VVVKLNGGLGTSMGCKGPKSLIGVRNENTFLDLTVQQIEHLNK  
 TYNTDVPLVLMNSFNTDEDTKKILQKYNHCRVKIYTFNQSRYPINKESLLPIAKDVSYSGENTEAWYPP  
 GHGDIYASFYNSGLLDTFIEEGKEYIFVSNIDNLGATVDLYILNHLMNPPNGKRCEVFMEVNTKTRADV  
 GGTLTQYEGKRLRLVEIAQVPAHVDEFKSVSKFKIFNTNWLWISLGAVKRLQEQNAIDMEIIVNPKTLDG  
 GLNVIQLETAVGAAIKSFENSLGINVPRSRFLPVKTTSDLLL VMSNLYSLNAGSLTMSEKREFPTVPLVK  
 LGSSFTKVQDYLRRESIPDMLELDHLTVSGDVTFGKNVSLKGTVIIANHGDRIDIPPGAVLENKIVSG  
 NLRILDH

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC025585

**ORF Size:** 1491 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:** [BC025585](#), [AAH25585](#)

**RefSeq Size:** 2069 bp

**RefSeq ORF:** 1493 bp

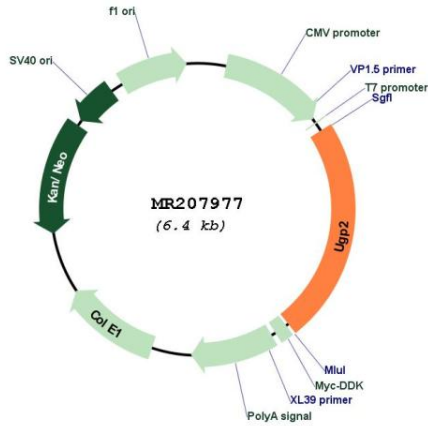
**Locus ID:** 216558

**Cytogenetics:** 11 13.89 cM

**MW:** 55.7 kDa

**Gene Summary:** Plays a central role as a glucosyl donor in cellular metabolic pathways.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207977