

## Product datasheet for RC221775

### Glycoprotein 2 (GP2) (NM\_001007241) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein 2 (GP2) (NM_001007241) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glycoprotein 2
Synonyms:	ZAP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221775 representing NM_001007241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTCACCTTATGAAAGGATGGTGGGCTCTGGCCTCCTGTGGCTGGCCTTGGTCTCCTGCATTCTGA  
CCCAGGCATCTGCAGTGCAGCGAGTTCACGAGACCCATCCACTGTGGAGGACAAGTGTGAGAAGGCCTG  
CCGCCCGAGGAGGAGTGCCTTGCCTCAACAGCACCTGGGGCTGTTTCTGCAGACAGGACCTCAATAGT  
TCTGATGTCCACAGTTTGCAGCCTCAGCTAGACTGTGGGCCAGGGAGATCAAGTGAAGTGGACAAT  
GTTTGCTGGGAGGCTGGGTTTGGGGAGGAGGTCATTGCCTACCTGCGAGACCCAACTGCAGCAGCAT  
CTTGACAGACAGAGGAGGAACTGGGTATCTGTGACCAGCCCGTCCAGGCTAGTGCCTGCAGGAACATT  
CTGGAGAGAAATCAAACCATGCATCTACAAAAACCCCTCTCCTTGGTCAATGATTTTCATCATCAGAG  
ACACCATCCTCAACATCAACTTCCAATGTGCCTACCCACTGGACATGAAAGTCAAGCTCCAAAGTGCCTT  
GCAGCCCATTTGAAGTCCCTGAACGTCAAGTGTGGACGGGAATGGAGAGTTCATTGTGAGGATGGCCCTC  
TTCCAAGACCAGAATACACGAATCCTTACGAAGGGATGCAGTTGAACTGTCTGTTGAGTCCGTGCTGT  
ATGTGGGTGCCATCTTGAACAAGGGGACACCTCCCGTTAACCTGGTGTGAGGAACTGCTATGCCAC  
CCCCACTGAAGACAAGGCTGACCTTGTGAAGTATTTTCATCATCAGAAACAGCTGCTCAAATCAACGTGAT  
TCCACCATCCAGTGGAGGAGAATGGGCAGTCCCGAAAGCCGGTTCAGTTTCAGATGTTTCATGTTG  
CTGGACATTATGACCTAGTTTTCCCTGCATTGTGAGATTTCATCTCTGTGATTCTCTTAATGAACAGTGCCA  
GCCTTCTGTCTAAGAAGTCAAGTCCGAGTGAAGTACCGCCATCGACCTAGCCCGGGTCTAGATTTG  
GGGCCATCACTCGGAGAGGTGCACAGTCTCCCGTGTGATGAATGGAACCCCTAGCACTGCAGGTTTC  
TGGTGGCTGGCCTATGGTCTCCTGACTGTCTCCTGGCTTGGCTGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA





**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\\_001007241.3](#)

**RefSeq Size:** 2007 bp

**RefSeq ORF:** 1173 bp

**Locus ID:** 2813

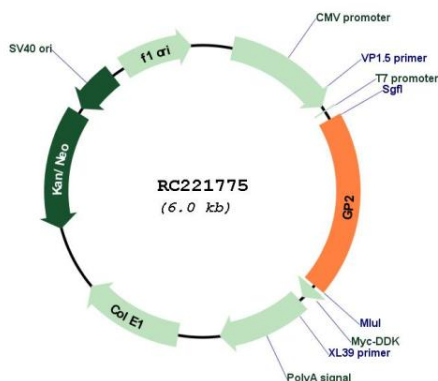
**Cytogenetics:** 16p12.3

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**MW:** 43.2 kDa

**Gene Summary:** This gene encodes an integral membrane protein that is secreted from intracellular zymogen granules and associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. The encoded protein binds pathogens such as enterobacteria, thereby playing an important role in the innate immune response. The C-terminus of this protein is related to the C-terminus of the protein encoded by the neighboring gene, uromodulin (UMOD). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

### Product images:



Circular map for RC221775