

Product datasheet for **SC324309**

Glycoprotein 2 (GP2) (NM_001007242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein 2 (GP2) (NM_001007242) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycoprotein 2
Synonyms:	ZAP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001007242.1
 GCTGCATGGGAAGTCTGCATACAGCAAAGTGACCTGCATGCCTCACCTTATGAAAGGAT
 GGTGGGCTCTGGCCTCCTGTGGCTGGCCTTGGTCTCCTGCATTCTGACCCAGGCATCTGC
 AGTGCAGCGAGACCCATCCACTGTGGAGGACAAGTGTGAGAAGGCCTGCCGCCCCGAGGA
 GGAGTGCCTTGCCTCAACAGCACCTGGGGCTGTTTCTGCAGACAGGACCTCAATAGTTC
 TGATGTCCACAGTTTGCAGCCTCAGCTAGACTGTGGGCCAGGGAGATCAAGGTGAAGT
 GGACAAATGTTTGGCTGGGAGGCCTGGGTTTGGGGGAGGAGTTCATTGCCTACCTGCGAGA
 CCCAAACTGCAGCAGCATCTTGCAGACAGAGGAGAGGAACTGGGTATCTGTGACCAGCCC
 CGTCCAGGCTAGTGCCTGCAGGAACATTCTGGAGAGAAATCAAACCCATGCCATCTACAA
 AAACACCTCTCCTTGGTCAATGATTTTCATCATCAGAGACACCATCCTCAACATCAACT
 CCAATGTGCCTACCCACTGGACATGAAAGTCAGCCTCCAAGTGCCTTGCAGCCATTGT
 AAGTTCCTGAACGTGAGTGTGGACGGGAATGGAGAGTTCATTGTGAGGATGGCCCTCT
 CCAAGACCAGAATAACGAATCCTTACCAAGGGGATGCAGTTGAACTGTCTGTTGAGTC
 CGTGCTGTATGTGGGTGCCATCTTGAACAAGGGGACACCTCCCGGTTTAACTGGTGT
 GAGGAACTGCTATGCCACCCCACTGAAGACAAGGCTGACCTTGTGAAGTATTTTCATCAT
 CAGAAACAGCTGCATAAATCAACGTGATCCACCATCCAGTGGAGGAGAATGGGCAGTC
 CTCGAAAAGCCGGTTCTCAGTTCAGATGTTTCATGTTTGGCTGGACATTATGACCTAGTTTT
 CCTGCATTGTGAGATTCTCTGTGATTCTTAAATGAACAGTGCCAGCCTTCTTGCTC
 AAGAAGTCAAGTCCGAGTGAAGTACCGGCCATCGACCTAGCCCGGGTTCTAGATTTGGG
 GCCCATCACTCGGAGAGGTGCACAGTCTCCCGGTGTCATGAATGGAACCCCTAGCACTGC
 AGGGTTCCTGGTGGCCTGGCCTATGGTCTCCTGACTGTCCTCCTGGCTTGGCTGTTCTG
 AGAGCTCCGCTGAGCATCTGGCCTTGAAGTTTGTGTTCTTCCCTGGCAATGGCTCCCT
 TCACCATTCTGCTTCCACTCCAATTCACACAGGCTTGGTATTAACAGAATCAAGGCCA
 GGCTAGGTTAGGAAAAGGGAAGAGCTTTACCTTCTTTAAACTCTCGGCTGGGCGCAGT
 GGCTCATGCCTGTAATCCAGCATTGTTGGGAGGCTGAGGCAGGTGGATCACCTGAGGTCA
 GCAGTTAAAAATCAGCCTGGCCAAAATGCTGAAACTCCGTCTCTACTAAAAATACAAAAA
 TTAGCCAGGCATGGTGGCAGGCGCTGTAATCCCAGCTACTCGGGAGGCCAAGGCAGGAG
 AATTGCTCGAACTCAGGGGGTGGAGTTTGCAGTGAGTTGAGATTGTGCCATTGCACTCCA
 GCCTGGGCAACAGAGCAAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001007242
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<u>NM_001007242.1, NP_001007243.2</u>
RefSeq Size:	1998 bp
RefSeq ORF:	1164 bp
Locus ID:	2813
Cytogenetics:	16p12.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks two alternate in-frame exons in the 5' coding region compared to variant 1. The resulting protein (isoform 4, also known as beta) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>