

## Product datasheet for **SC301182**

### Glycoprotein 2 (GP2) (NM\_001007241) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein 2 (GP2) (NM_001007241) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycoprotein 2
Synonyms:	ZAP75
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001007241 edited  
 GGCCAGAGGAGGAACGCTTTGTGTTCTCATCGGAGCTGCATGGGAAGTCTGCATACAGCA  
 AAGTGACCTGCATGCCTCACCTTATGGAAAGGATGGTGGGCTCTGGCCTCCTGTGGCTGG  
 CCTTGGTCTCCTGCATTCGACCCAGGCATCTGCAGTGCAGCGAGTTCACGAGACCCAT  
 CCACTGTGGAGGACAAGTGTGAGAAGGCCTGCCGCCCGAGGAGGAGTGCCTTGCCTCA  
 ACAGCACCTGGGCTGTTTCTGCAGACAGGACCTCAATAGTTCGATGTCCACAGTTTGC  
 AGCCTCAGCTAGACTGTGGGCCAGGGAGATCAAGGTGAAGGTGGACAAATGTTTGCTGG  
 GAGGCCTGGGTTTGGGGGAGGAGTTCATTGCCTACCTGCCGAGACCCAAACTGCAGCAGCA  
 TCTTGCAGACAGAGGAGAGGAAGTGGTATCTGTGACCAGCCCCGTCAGGCTAGTGCT  
 GCAGGAACATTCTGGAGAGAAATCAAACCCATGCCATCTACAAAAACACCCTCTCCTTGG  
 TCAATGATTTTCATCATCAGAGACACCATCCTCAACATCAACTTCCAATGTGCCTACCCAC  
 TGGACATGAAAGTCAGCCTCCAAGCTGCCTTGCAGCCATTGTAAGTTCCTGAACGTCA  
 GTGTGGACGGGAATGGAGAGTTCATTGTCAGGATGGCCCTTCCAAGACCAGAATAACA  
 CGAATCCTTACGAAGGGATGCAGTTGAACTGTCTGTTGAGTCCGTGCTGTATGTGGGTG  
 CCATCTTGAACAAGGGGACACCTCCCGGTTTAACTGGTGTGAGGAACTGCTATGCCA  
 CCCCCACTGAAGACAAGGCTGACCTTGTGAAGATTTTCATCATCAGAAACAGCTGCTCAA  
 ATCAACGTGATTCCACCATCCACGTGGAGGAGAATGGGCAGTCCCTCGGAAAGCCGTTCT  
 CAGTTCAGATGTTTCATGTTTGTGGACATTATGACCTAGTTTTCTGCATTGTGAGATTC  
 ATCTCTGTGATTCTTAAATGAACAGTGCAGCCTTCTTGGCTCAAGAAGTCAAGTCCGCA  
 GTGAAGTACCGGCATCGACCTAGCCCGGGTCTAGATTTGGGGCCATCACTCGGAGAG  
 GTGCACAGTCTCCCGGTGCATGAATGGAACCCCTAGCACTGCAGGGTTCCTGGTGGCCT  
 GGCCTATGGTCCCTGACTGTCTCTGGCTTGGCTGTTCTGAGAGTCCGCTGAGCAT  
 CTGGCCTTGAAGTTTGTGTTCTTCCCTTGGCAATGGCTCCCTCAGCACTTCTGCTTTT  
 CACTCCAATTCACACAGGCTTGGTATTAACAGAATCAAGGCCAGGCTAGGTTAGGAAAAG  
 GGAAGAGCTTTACCTTCTTTAAAACTCTCGGCTGGGCGCAGTGGCTCATGCCTGTAATC  
 CCAGCATTTTGGGAGGCTGAGGCAGGTGGATCACCTGAGGTGAGCAGTTCAAATCAGCC  
 TGGCCAAAATGCTGAAACTCCGTCTCTACTAAAAATACAAAAATTAGCCAGGCATGGTGG  
 CAGGCGCCTGTAATCCCAGCTACTCGGGAGGCCAAGGCAGGAGAATTGCTCGAACTCAGG  
 GGGTGGAGTTGCACTGAGTTGAGATTGTGCCATTGCACTCCAGCCTGGGCAACAGAGCA  
 AGACTCTGTCTCAGGAAAAAAAAAAAAAAAAAAGAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_001007241
- Insert Size:** 1700 bp
- 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_001007241.1.
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001007241.1, NP_001007242.2</u>
<b>RefSeq Size:</b>	2007 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	2813
<b>Cytogenetics:</b>	16p12.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Gene Summary:</b>	<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 (3) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The resulting protein (isoform 3) 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>