

Product datasheet for **SC301181**

Glycoprotein 2 (GP2) (NM_001007240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein 2 (GP2) (NM_001007240) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycoprotein 2
Synonyms:	ZAP75
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001007240 edited
 GCCAGAGGAGGAACGCTTTGTGTTCTCATCGGAGCTGCATGGGAAGTCTGCATACAGCAA
 AGTGACCTGCATGCCTCACCTTATGGAAAGGATGGTGGGCTCTGGCCTCCTGTGGCTGGC
 CTTGGTCTCCTGCATTCTGACCCAGGCATCTGCAGTGCAGCGAGGTTATGGAAACCCCAT
 TGAAGCCAGTTTCGTATGGGCTGGACCTGGACTGCGGAGCTCCTGGCACCCAGAGGCTCA
 TGCTGTGTTTTGACCCCTGTCAGAATTACACCCTCCTGGATGAACCCTCCGAAGCACAGA
 GAACTCAGCAGGGTCCCAGGGGTGCGATAAAAACATGAGCGGCTGGTACCCTTTGTAGG
 GGAAGGAGGAGTAAGGATGTCGGAGACCTGTGTCCAGGTGCACCGATGCCAGACAGACGC
 TCCCATGTGGCTGAATGGGACCCACCCTGCCCTTGGGGATGGCATCACCAACCACACTGC
 CTGTGCCATTGGAGTGGCAACTGCTGTTTCTGGAAAACAGAGGTGCTGGTGAAGGCCTG
 CCCAGGCGGGTACCATGTGTACCGTTGGAAGGCACTCCCTGGTGAATCTGAGATACTG
 CACAGTCCACGAGACCCATCCACTGTGGAGGACAAGTGTGAGAAGGCCTGCCGCCCGA
 GGAGGAGTGCCTTGCCTCAACAGCACCTGGGGCTGTTTCTGCAGACAGGACCTCAATAG
 TTCTGATGTCCACAGTTTGCAGCCTCAGCTAGACTGTGGGCCAGGGAGATCAAGGTGAA
 GGTGGACAAATGTTTCTGGGAGGCCTGGGTTTGGGGAGGAGGTCATTGCCTACCTGCG
 AGACCCAAACTGCAGCAGCATCTTGCAGACAGAGGAGAGAACTGGGTATCTGTGACCAG
 CCCCGTCCAGGCTAGTGCCTGCAGGAACATTCTGGAGAGAAATCAAACCCATGCCATCTA
 CAAAAACACCCTCTCCTTGGTCAATGATTTTCATCATCAGAGACACCATCCTCAACATCAA
 CTTCCAATGTGCCTACCCACTGGACATGAAAGTCAGCCTCCAAGTGCCTTGCAGCCCAT
 TGTAAGTCCCTGAACGTGAGTGTGGACGGAAATGGAGAGTTCATTGTGAGGATGGCCCT
 CTTCCAAGACCAGAATACACGAATCCTTACGAAGGGGATGCAGTGAAGTGTCTGTTGA
 GTCCGTGCTGTATGTGGGTGCCATCTTGGAAACAAGGGGACACCTCCCGGTTTAACTGGT
 GTTGAGGAACTGCTATGCCACCCCACTGAAGACAAGGCTGACCTTGTGAAGTATTTTCAT
 CATCAGAAAACAGCTGCTCAAATCAACGTATTCCACCATCCACGTGGAGGAGAATGGGCA
 GTCCTCGGAAAGCCGGTTCTCAGTTCAGATGTTTCATGTTTGTGGACATTATGACCTAGT
 TTTCTGCATTGTGAGATTCATCTCTGTGATTCTCTTAATGAACAGTGCCAGCCTTCTTG
 CTCAAGAAGTCAAGTCCGAGTGAAGTACCGGCCATCGACCTAGCCCGGTTCTAGATTT
 GGGGCCCATCACTCGGAGAGGTGCACAGTCTCCCGGTGCATGAATGGAACCCCTAGCAC
 TGCAGGGTTCTGGTGGCTGGCCTATGGTCTCTGACTGTCTCTGGCTTGGCTGTT
 CTGAGAGCTCCGCTGAGCATCTGGCCTTGAAGTTTGTGTTCTTCCCTCTGGCAATGGCTC
 CCTTCAGCACTTCTGCTTCCACTCCAATTCACACAGGCTTGGTATTAACAGAATCAAGG
 CCAGGCTAGGTTAGGAAAAGGGAAGAGCTTTCACCTTCTTAAAACCTCTCGGCTGGGCGC
 AGTGGCTCATGCCTGTAATCCCAGCATTTTGGGAGGCTGAGGCAGGTGGATCACCTGAGG
 TCAGCAGTTCAAATCAGCCTGGCCAAAATGCTGAAACTCCGTCTCTACTAAAAATACAA
 AAATTAGCCAGGCATGGTGGCAGGCGCCTGTAATCCCAGTACTCGGGAGGCCAAGGCAG
 GAGAATTGCTCGAACTCAGGGGGTGGAGTTTGCAGTGAGTTGAGATTGTGCCATTGCACT
 CCAGCCTGGGCAACAGAGCAAGACTCTGTCTCAGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001007240

Insert Size: 2200 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_001007240.1.

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).
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_001007240.1</u> , <u>NP_001007241.2</u>
RefSeq Size:	2448 bp
RefSeq ORF:	1614 bp
Locus ID:	2813
UniProt ID:	<u>P55259</u>
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 (1) represents the longest transcript and encodes the longest protein (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>