

## Product datasheet for **SC114128**

### Glycophorin C (GYPC) (NM\_016815) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glycophorin C (GYPC) (NM_016815) Human Untagged Clone
Tag:	Tag Free
Symbol:	GYPC
Synonyms:	CD236; CD236R; GE; GE:GPC:GPD:GYPD; GPC; GPD; GYPD; PAS-2; PAS-2'
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016815, the custom clone sequence may differ by one or more nucleotides

[ATGTGGTCGACGAGAAGCCCCAACAGCACGGCGTGGCCTCTCAGCCTCGAGCCTGATCCAGGGATGTCTG  
GATGGCCGGATGGCAGAATGGAGACCTCCACCCACCATAATGGACATTGTCGTCATTGCAGGTGTGAT  
TGCTGTGTGGCCATCGTCTAGTCTCCCTCTTTCGTCATGCTGCGCTACATGTACCGGCACAAGGGC  
ACGTACCACACCAATGAGGCCAAGGGCACGGAGTTTGTGAGAGTGCAGATGCAGCCTGCAGGGAGACC  
CTGCCCTCAAGATGCTGGTGATAGCAGCAGAAAGGAGTACTTTATTTGA](#)

#### 5' Read Nucleotide Sequence:

>OriGene 5' read for NM\_016815 unedited  
GTCAGCATTTGTATACGACTCACTATAGGCGGCNCGCAATTCGCACGAGGGAGCCCGG  
AGCGCGACCCTCCCCGGCCCGGCTGGCCCGCCTGGCCAGTCCCCGCGGTCTCTGCC  
GGGCTGACGCCAGGAATGTGGTCGACGAGAAGCCCCAACAGCACGGCGTGGCCTCTCAG  
CCTCGTTACATGGGAATAGGACTCTCGGCTCAAGGCGTCAACATGAACAGACTTCTGGT  
TGGGACAAACATTCTATGGTTACCATGGTGATGATGGGCATTCTGCTCCTCGGGG  
ACTGGCCAGCCCTATGGTCCCACATTCACCACAGGAGACGTGATCGGCTGCTGTGTAAC  
CTCATCAATGGCACCTGCTTCTACACCAAGAATGGCCACAGCCTTGGCCAACCTTACCC  
CACCGTAGGCCTGCAGACACCTGGGGAGATTGTGGACGCCAECTTGGGCAGCAGCCCTT  
CCTGTTTGACATTGAGGACTACATGCGGGAGTGGCGTCCAAAGTCCAGGGCACGGTCCA  
CTGCTTCCCCATCAGTCCCCGGCTTGGCGAGTGGCAGGCAAGTCCAGGGCACGGTCCA  
ATCTTACCTCGTGCATCATGGGTATTGTGCCACAGCCACGGCTTTTGTCTGAATGACTGA  
AACCCCGATTGAGGAAGAAGAGGCGTCCATAAAGAACCAGACAAAGATCCAGAANCTGGT  
GCTGGANGGGCCGTGTGGCGAGGCCATCGAGACCCACCCAGCGCTTCTACCCAGGGCTGC  
TGGAGCACAACCAACCTNCTTATGCTCAAGTGCCGAGTTTGTGGAGATGGTGATGG  
GACNGACAGTGAGTTCCCAAGTTGAGCTNCCGAAGCCCCAGTCCAGGAAGCTACCTGGCT  
CCCCAGNCTCAGTCCCGACTGGCCAGTATT



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<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016815
<b>Insert Size:</b>	2400 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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><a href="#">NM_016815.2</a></u> , <u><a href="#">NP_058131.1</a></u>
<b>RefSeq Size:</b>	1019 bp
<b>RefSeq ORF:</b>	330 bp
<b>Locus ID:</b>	2995
<b>UniProt ID:</b>	<u><a href="#">P04921</a></u>
<b>Cytogenetics:</b>	2q14.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>Glycophorin C (GYPC) is an integral membrane glycoprotein. It is a minor species carried by human erythrocytes, but plays an important role in regulating the mechanical stability of red cells. A number of glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 and 2, respectively. The Webb and Duch antigens, also known as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very little homology with glycophorins A and B. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (2) lacks and in-frame exon in the central coding region, compared to variant 1. The encoded isoform 2 is shorter than isoform 1. This isoform (2) specifies the Yus phenotype.</p>