

Product datasheet for **SC322017**

Glycophorin C (GYPC) (NM_002101) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycophorin C (GYPC) (NM_002101) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycophorin C
Synonyms:	CD236; CD236R; GE; GE:GPC:GPD:GYPD; GPC; GPD; GYPD; PAS-2; PAS-2'
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322017
GGCCAGAGCCCCCTCCCTCGGCCCGCGGGAGGAGTGTGACCCAGGTGCCGCTTCTCT
CGCCGCCGAGGGTCAGGAGCCCCGGGAGCGCACCCTCCCCGCCCGCCCTGGCCCGGCC
TGGCCAGTCCCCGCGTCTCTGCCCGGGCTGACGCCAGGAATGTGGTCGACGAGAAGCC
CCAACAGCACGGCGTGGCCTCTCAGCCTCGAGCCTGATCCGGGGATGGCCTCTGCCTCCA
CCACAATGCATACTACCACCATTGCAGAGCCTGATCCAGGGATGTCTGGATGGCCGGATG
GCAGAATGGAGACCTCCACCCCCACCATAATGGACATTGTCGTCATTGCAGGTGTGATTG
CTGCTGTGGCCATCGTCCTAGTCTCCCTCCTCTTCGTCATGCTGCGCTACATGTACCGGC
ACAAGGGCACGTACCACCAATGAGGCCAAGGGCACGGAGTTTGCTGAGAGTGCAGATG
CAGCCCTGCAGGGCGACCCTGCCCTCCAAGATGCTGGTGATAGCAGCAGAAAGGAGTACT
TTATTTGAGGGACAACAGACTTCACTTCCCTGAATGCCTCCCCATCTCCATCAGGAAAA
ATACACCCCATCGCCAGCACCCCTGCTGATACCACCAGACAGAGAGAGAGACTTGA
TTCTTCCCGAGATAGCCACCTGGAAACACTAGGTGCCTGCCAGGGAGGAACGGAGGAGG
ACTCGCGTACAAGAGGCCACTCCAGGGACCCAGGGAGGCGATGGCCACCCAGAGGCC
ACCTTTTGTCCACGGAGGTGGGAGAAAATCTGGGCACATGGGGCCCCCTGGGCAGTGCA
GGACAACATCAGCTCACTGGCAGGAAAGTCCTTGTGAGGGTGAGGGGTGCTGGGGTAC
CCGGGGCTGGGAAGCAAGGAAATAAGTCATCTGTATGCTGACTGGGGATAATGGCATC
AAATGTCAGTCTTGACATTTGGGGGAACAGCAGGTGCCAGAGCTAAAAGGTACCTTTG
TCTGCCATTGATCCAGCTCAGAACGATTGAAAATAAATTTGAAATGTAACCGAAAAAAA
AAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002101



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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:	NM_002101.3 , NP_002092.1
RefSeq Size:	1075 bp
RefSeq ORF:	387 bp
Locus ID:	2995
UniProt ID:	P04921
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<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 (1) encodes the longest isoform (1).</p>