

Product datasheet for **TP317103M**

Glycophorin C (GYPC) (NM_016815) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glycophorin C (Gerbich blood group) (GYPC), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217103 representing NM_016815 Red =Cloning site Green =Tags(s)
	MWSTRSPNSTAWPLSLEPDPGMSGWPDGRMETSTPTIMDIWVIAGVIAAVAIVLVSLLFVMLRYMYRHKG TYHTNEAKGTEFAESADAALQGDPALQDAGDSSRKEYFI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	11.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_058131
Locus ID:	2995
UniProt ID:	P04921
RefSeq Size:	1019



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Cytogenetics: 2q14.3

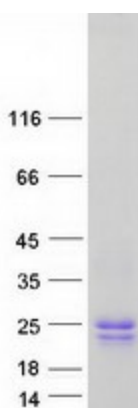
RefSeq ORF: 327

Synonyms: CD236; CD236R; GE; GE:GPC:GPD:GYPD; GPC; GPD; GYPD; PAS-2; PAS-2'

Summary: 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]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified GYPC protein (Cat# [TP317103]). The protein was produced from HEK293T cells transfected with GYPC cDNA clone (Cat# [RC217103]) using MegaTran 2.0 (Cat# [TT210002]).