Recombinant human Glycophorin C/GYPC protein

Catalog Number: ATGP3547

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
1-57aa

UniProt No.
P04921

NCBI Accession No.
NP_002092.1

Alternative Names
Glycophorin-C isoform 1, GYPC, CD236, CD236R, GE, GPC, GPD, GYPD, PAS-2, PAS-2, Glycoconnectin, Glycophorin-D, GPD, Glycoprotein beta, PAS-2', Sialoglycoprotein D, GLPC

PRODUCT SPECIFICATION

Molecular Weight
7.2 kDa (66aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
GYPC, also known as glycophorin-C isoform 1, 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

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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. Recombinant human GYPC protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

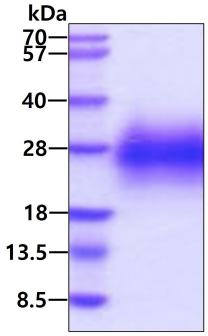
<ADP>MWSTRSP NSTAWPLSLE PDPGMASAST TMHTTTIAEP DPGMSGWPDG RMETSTPTIM <HHHHHH>

General References

Daniels G., et al. (1993) Blood. 82:3198-3203.
Wilder JA., et al. (2009) Mol Biol Evol. 26:2679-2687.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.