

Recombinant human Glycophorin A/GYPA protein

Catalog Number: ATGP3592

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-91aa

UniProt No.

P02724

NCBI Accession No.

NP_002090

Alternative Names

Glycophorin-A isoform 1, GYPA, CD235a, GPA, GPErik, GPSAT, HGpMiV, HGpMiXI, HGpSta(C), MN, MNS, PAS-2, MN sialoglycoprotein, PAS-2, Sialoglycoprotein alpha

PRODUCT SPECIFICATION

Molecular Weight

9.1 kDa (81aa)

Concentration

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

Formulation

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

Purity

> 85% 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

GYPA, also known as glycophorin-A isoform 1, is the major transmembrane sialoglycoprotein of red blood cells. It has been shown to contribute to the expression of the MN and Wright blood group antigens, to act as a receptor for the malaria parasite Plasmodium falciparum and Sendai virus, and along with the anion transporter, band 3,

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may contribute to the mechanical properties of the red blood cell membrane. Its expression is locally increased in carotid atherosclerotic lesions of symptomatic compared to asymptomatic patients. Recombinant human GYPA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

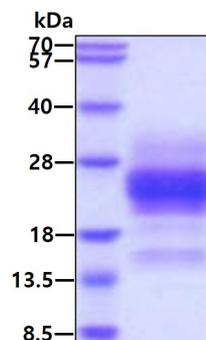
<ADP>LSTTEVA MHTSTSSSVT KSYISSQTND THKRDTYAAT PRAHEVSEIS VRTVYPPEEE TGERVQLAHH
FSEPE<HHHHH H>

General References

Hassoun H., et al. (1998) Blood. 91:2146-2151.
Hakimi M., et al. (2013) Int J Mol Med. 32:331-338.

DATA

SDS-PAGE



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