

Recombinant Human GYPE protein, His & GST-tagged

Cat. No. GYPE-7834H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GYPE aa. (Ser20~Ile70 (Accession # P15421)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser20~Ile70
Description	The protein encoded by this gene is a sialoglycoprotein and a type I membrane protein. It is a member of a gene family with GPA and GPB genes. This encoded protein might carry the M blood group antigen. GYPA, GYPB, and GYPE are organized in tandem on chromosome 4. This gene might have derived from an ancestral gene common to the GPB gene by gene duplication. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	GYPE glycophorin E (MNS blood group) [Homo sapiens (human)]
Official Symbol	GYPE
Synonyms	Topbp1; DNA topoisomerase II binding protein 1; RGD1562949; DNA topoisomerase 2-binding protein 1; topoisomerase (DNA) II beta binding protein; topoisomerase (DNA) II binding protein 1
Gene ID	2996

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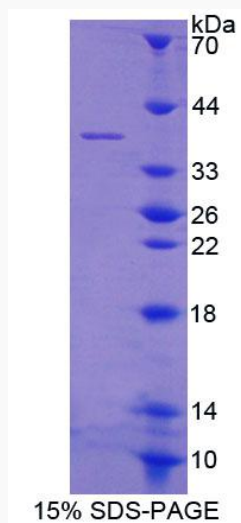
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mRNA Refseq NM_002102.3

Protein Refseq NP_002093.2

UniProt ID P15421

SDS-PAGE



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