

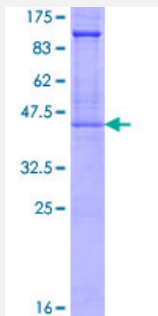
Full-Length

GYPA (Human) Recombinant Protein (P01)

Catalog # H00002993-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GYPA full-length ORF (AAH13328.1, 1 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MYGKIIFVLLLSAIVSISASSTTGVMAMHTSTSSSVTKSYISSQTNDTHKRDTYAATPRAHEVSEISVRT VYPPEEETGERVQLAHHFSEPEITLIIFGVMAGVIGTILLISYGIRRLIKKSPSDVKPLPSPDTDVPLSS VEIENPETSQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.7
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GYPA

Entrez GeneID	2993
GeneBank Accession#	BC013328.1
Protein Accession#	AAH13328.1
Gene Name	GYPA
Gene Alias	CD235a, GPA, GPErik, GPSAT, GpMiIII, HGpMiIII, HGpMiV, HGpMiX, HGpMiXI, HGpSta(C), MN, MNS
Gene Description	glycophorin A (MNS blood group)
Omim ID	111300 611162
Gene Ontology	Hyperlink
Gene Summary	Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. In addition to the M or N and S or s antigens that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta, as well as Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are the result of gene recombinations between GYPA and GYPB. [provided by RefSeq]
Other Designations	Mi.V glycoprotein (24 AA) erythroid-lineage-specific membrane sialoglycoprotein glycophorin A glycophorin A (MN blood group) glycophorin A MNS blood group glycophorin A, GPA glycophorin Erik glycophorin Mi glycophorin MiIII glycophorin MiV glycophorin Mi

Publication Reference

- [Droplet microfluidics for kinetic studies of viral fusion.](#)

Mashaghi S, van Oijen AM.

Biomicrofluidics 2016 Mar; 10(2):24102.

Application: Liposome preparation, Recombinant protein

- [Relating influenza virus membrane fusion kinetics to stoichiometry of neutralizing antibodies at the single-particle level.](#)

Otterstrom JJ, Brandenburg B, Koldijk MH, Juraszek J, Tang C, Mashaghi S, Kwaks T, Goudsmit J, Vogels R, Friesen RH, van Oijen AM.

PNAS 2014 Dec; 111(48):E5143.

Application: Proteoliposomes, Recombinant Protein

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Asthma](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Malaria](#)