

## Recombinant Human ABO Protein, GST-Tagged

**Cat. No.** ABO-111H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ABO partial ORF ( NP_065202.2, 273 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	This gene encodes proteins related to the first discovered blood group system, ABO. Which allele is present in an individual determines the blood group. The 'O' blood group is caused by a deletion of guanine-258 near the N-terminus of the protein which results in a frameshift and translation of an almost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase activities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	34.76 kDa
<b>AA Sequence</b>	SVQEVQRLTRACHQAMMVDQANGIEAVWHDESHLNKYLLRHKPTKVLSP EYLWDQ QLLGWPAVLRKLRFTAVPKNHQAVRNP
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ABO ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase) [ Homo sapiens ]
<b>Official Symbol</b>	ABO
<b>Synonyms</b>	ABO; ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase); histo-blood group ABO system transferase; A3GALNT; A3GALT1; ABO glycosyltransferase; histo-blood group A transferase; histo-blood group B transferase; histo-blood group A2 transferase; B(A) alpha-1,3-galactosyltransferase; fucosylglycoprotein 3-alpha-galactosyltransferase; fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase; glycoprotein-fucosylgalactoside alpha-galactosyltransferase; glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase; GTB; NAGAT;
<b>Gene ID</b>	28
<b>mRNA Refseq</b>	NM_020469
<b>Protein Refseq</b>	NP_065202
<b>MIM</b>	110300
<b>UniProt ID</b>	P16442

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