

## Recombinant Human ABO protein, GST-tagged

**Cat. No.** ABO-3794H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ABO protein(54-354 aa), fused with N-terminal GST tag, was expressed in E. coli.                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 54-354 aa                                                                                                                                                                                                                                            |
| <b>Tag</b>              | N-GST                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.               |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

 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

**AA Sequence**

AVREPDHLQRVSLPRMVYPQPKVLTPCRKDVLVVTPWLAPIVWEGTFNIDILNEQFR  
LQNTTIGLTVFAIKKYVAFLKLFLETAEKHFHVMGHRVHYVFTDQPAAVPRVTLGTGR  
QLSVLEVGA YKRWQDVSMRRMEMISDFCERRFLSEVDYLVCVDVDMEFRDHVGVE  
ILTPLFGTLHPSFYGSSREAFTYERRPQSQAYIPKDEGDFYYMGAFFGGSVQEVQRL  
TRACHQAMMVDQANGIEAVWHDESHLNKYLLRHKPTKVLSP EYLWDQQLLGWPAV  
LRKLRFTAVPKNHQAVRNP

**GENE INFORMATION**
**Gene Name**

ABO ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase;  
transferase B, alpha 1-3-galactosyltransferase) [ Homo sapiens ]

**Official Symbol**

ABO

**Synonyms**

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;

**Gene ID**

28

**mRNA Refseq**

NM\_020469

**Protein Refseq**

NP\_065202

**UniProt ID**

P16442