

ABO Blood Group Recombinant Protein | ABO recombinant protein

Recombinant Human ABO Blood Group

CATALOG #
AAA38964

HOST
E Coli

PRODUCT SYNONYMS

ABO Blood Group; Recombinant Human ABO Blood Group; ABO Human; ABO Blood Group Human Recombinant; Histo-blood group ABO system transferase; Fucosylglycoprotein 3-alpha-galactosyltransferase; Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase; Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase; Glycoprotein-fucosylgalactoside alpha-galactosyltransferase; Histo-blood group A transferase; A transferase; Histo-blood group B transferase; B transferase; NAGAT; ABO; GTB; A3GALNT; A3GALT1; ABO recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	ABO protein solution (0. 5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 20% glycerol and 200mM NaCl.
Sequence	MGSSHHH HHHSSGLVPR GSHMAV REPDLQRVS LPRMVYPQPK VLTPCRKDLV VTPWLAPIV WEGTFNIDIL NEQFRLQNTT IGLTVFAIKK YVAFCLKFLE TAEKHFMVGH RVHYVFTDQ PAAVPRVTLG TGRQLSVLEV RAYKRWQDVS MRRMEMISDF CERRFLSEVD YLVCVDVDME FRDHVGV EIL TPLFGLHPG FYGSSREAF YERRPQSQAY IPKDEGDFYY LGGFFGGSVQ EVQRLTRACH QAMMVDQANG IEAVWHDESH LNKYLLRHKP TKVLSPEYLW DQQLLGWPAV LRKLRF TAVP KNHQAVRNP.
Sequence Length	354
Physical Appearance	Sterile Filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ABO recombinant protein	ABO Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (54-354 a.a) and having a molecular mass of 37.4kDa.ABO is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for ABO recombinant protein	Enzymes; Transferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331216
NCBI GeneID	28
NCBI Accession #	NP_065202.2
NCBI GenBank Nucleotide #	NM_020469.2
UniProt Accession #	P16442; O14758; Q14490; Q53I57; Q6ISD4; Q6KFZ2; Q70V27; Q99484; Q99485; Q9NY01; Q9UQ68; B0JDB9
NCBI Official Full Name	histo-blood group ABO system transferase

NCBI Official Synonym Full Names	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)
NCBI Official Symbol	ABO
NCBI Official Synonym Symbols	GTB; NAGAT; A3GALNT; A3GALT1
NCBI Protein Information	histo-blood group ABO system transferase; ABO A3 transferase; ABO glycosyltransferase; ABO weak transfer; B(A) alpha-1,3-galactosyltransferase; fucosylglycoprotein 3-alpha-galactosyltransferase; fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase; glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase; glycoprotein-fucosylgalactoside alpha-galactosyltransferase; histo-blood group A transferase; histo-blood group A2 transferase; histo-blood group B transferase
UniProt Protein Name	Histo-blood group ABO system transferase
UniProt Gene Name	ABO
UniProt Synonym Gene Names	A transferase; B transferase
UniProt Entry Name	BGAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/abo-recombinant-protein-e-coli/38964>