

Active Recombinant Human ABO, His-tagged

Cat. No. ABO-269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABO (Accession # AAD26574) Arg63-Pro354, fused with an N-terminal human CD33 signal sequence and 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	63-354 a.a.
Predicted N Terminal	His
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to transfer galactose from UDP-galactose to lacto-N-fucopentaose. The specific activity is >1,250 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human ABO, His-tagged has a calculated MW of 34.8 kDa. In SDS-PAGE migrates as 35-40 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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
MIM	
UniProt ID	P16442
Chromosome Location	9q34.2

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