

Datasheet for ABIN667951

ABO Protein (AA 54-354) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	ABO
Protein Characteristics:	AA 54-354
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABO protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	ABO, 54-354aa, Human, His tag, E.coli
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	ABO
Alternative Name:	ABO (ABO Products)
Background:	ABO, also known as NAGAT, belongs to the glycosyltransferase 6 family. This protein is the basis of the ABO blood group system and related to the first discovered blood group system, ABO. Which allele is present in an individual determines the blood group. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-

Target Details

GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. Recombinant human ABO protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Histo-blood group ABO system transferase, A3GALNT, A3GALT1, GTB, NAGAT. NCBI no.: NP_065202

Molecular Weight: 37.4kDa (322aa), confirmed by MALDI-TOF

Application Details

Restrictions: For Research Use only

Handling

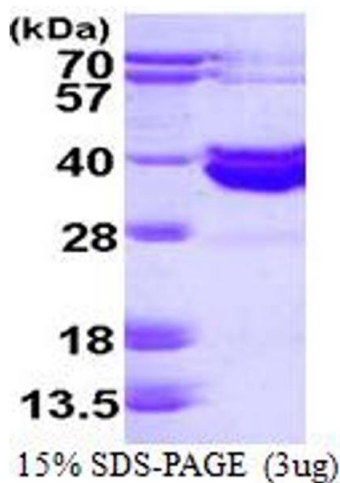
Format: Liquid

Concentration: 0.5mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

Storage: 4 °C

Images



SDS-PAGE

Image 1.