

Human ABO Protein

Cat. No. ABO-HM201

Description

Source	Recombinant Human ABO Protein is expressed from HEK293 with hFc tag at the N-terminus. It contains Ala54-Pro354.
Accession	ADX99264.1
Molecular Weight	The protein has a predicted MW of 60.56 kDa. Due to glycosylation, the protein migrates to 62-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

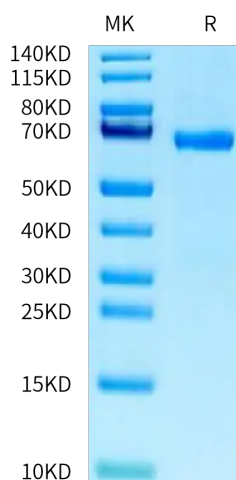
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 150mM NaCl, 500mM L- Arginine, 2mM DTT (pH 7.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Histo-blood group ABH (O) antigens are major alloantigens in humans. These antigens are widely distributed in human tissues and undergo changes in expression during cellular differentiation and malignant development. The ABH antigens have been characterized as terminal disaccharide determinants which represent secondary gene products. They are synthesized in a stepwise fashion from a precursor by the action of different glycosyltransferases.

Assay Data

Tris-Bis PAGE



Human ABO on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.