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Product datasheet for AR39127PU-L

ABO (54-354, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ABO (54-354, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAVREPDHLQ RVSLPRMVYP QPKVLTPCRK DVLVVTPWLA PIVWEGTFNI DILNEQFRLQ NTTIGLTVFA IKKYVAFLKL FLETAEKHFM VGHRVHYYVF TDQPAAVPRV TLGTGRQLSV LEVRAYKRWQ DVSMRRMEMI SDFCERRFLS EVDYLVCVDV DMEFRDHVGV EILTPLFGTL HPGFYGSSRE AFTYERRPQS QAYIPKDEGD FYYLGGFFGG SVQEVQRLTR ACHQAMMVDQ ANGIEAVWHD ESHLNKYLLR HKPTKVLSPE YLWDQQLLGW PAVLRKLRFT AVPKNHQAVR NP
Tag:	His-tag
Predicted MW:	37.4 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 200 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ABO protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_065202
Locus ID:	28
UniProt ID:	P16442, A0A089QDC1
Cytogenetics:	9q34.2

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Synonyms: A3GALNT; A3GALT1; GTB; NAGAT

Summary: This gene encodes proteins related to the first discovered blood group system, ABO. Variation in the ABO gene (chromosome 9q34.2) is the basis of the ABO blood group, thus the presence of an allele determines the blood group in an individual. The 'O' blood group is caused by a deletion of guanine-258 near the N-terminus of the protein which results in a frameshift and translation of an almost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase activities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene. This locus has been identified as a susceptibility locus for severe coronavirus disease 2019 (COVID-19) by genome-wide association study. [provided by RefSeq, Aug 2020]

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

Product images: