

Recombinant human ART4 protein

Catalog Number: ATGP3731

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

47-285aa

UniProt No.

Q93070

NCBI Accession No.

NP_066549

Alternative Names

Ecto-ADP-ribosyltransferase 4 isoform 1, ART4, ARTC4, CD297, DO, DOK1

PRODUCT SPECIFICATION

Molecular Weight

28.8 kDa (248aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ART4, also known as ecto-ADP-ribosyltransferase 4, is a glycosylphosphatidylinositol (GPI) -linked membrane protein carrying Dombrock blood group antigens. It is developmentally regulated during erythroid differentiation and occurs at highest levels in the fetal liver. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Recombinant human ART4, fused to His-tag at C-

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terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>SEVAIKI DFDFAFGSFD DQYQGCSKQV MEKLTQGDYF TKDIEAQKNY FRMWQKAHLA WLNQGKVLPO
NMTTTHAVAI LFYTLNSNVH SDFTRAMASV ARTPQQYERS FHFKYLYHYL TSAIQLLRKD SIMENGTLCY EVHYRTKDVH
FNAYTGATIR FGQFLSTSL KEEAQEFGNQ TLFTIFTCLG APVQYFSLKK EVLIPPYELF KVINMSYHPR GDWLQLRSTG
NLSTYNCQLL KA<HHHHHH>

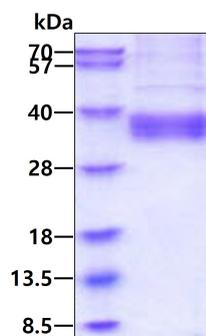
General References

Grodecka M., et al. (2012) Immunohematology. 28:124-129.

Gubin AN., et al. (2000) Blood. 96:2621-2627.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain