

Product information

ART4, 47-285aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3731

Full name: Ecto-ADP-ribosyltransferase 4 isoform 1

NCBI Accession No.: NP_066549

Synonyms: ART4, ARTC4, CD297, DO, DOK1

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

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

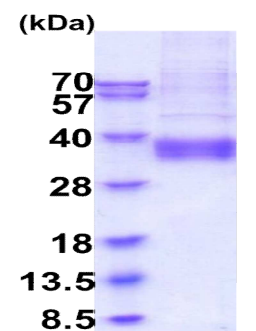
Molecular Weight: 28.8kDa (248aa)
28-40kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Ala

Purity: > 85% by SDS - PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

ADPSEVAIKI DDFDFAPGSFD DQYQGCSKQV MEKLTQGDYF TKDIEAQKNY FRMWQKAHLA WLNQGKVLQP NMTTTHAVA I LFYTLNSNVH
SDFTRAMASV ARTPQQYERS FHFKYLHYLL TSAIQLLRKD SIMENGTLCY EVHYRTKDVH FNAYTGATIR FGQFLSTSL KEEAQEFGNQ
LTFTIFTCLG APVQYFSLKK EVLIPPYELF KVINMSYHPR GDWLQLRSTG NLSTYNCQLL KAHHHHHH

General references:

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

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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