
Product Data Sheet

Product Name: ART4 Human
 Cat. No.: GP21415
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARTC4; DOK1; CD297 Antigen; Dombrock Blood Group; ADP-Ribosyltransferase 4; Ecto-ADP-Ribosyltransferase 4.		
Amino Acid Sequence	ADPSEVAIKI DDFDFAPGSFD DQYQGCCKQV MEKLTQGDYF TKDIEAQKNY FRMWQKAHLA WLNQGVLPQ NMTTTHAVAI LFYTLNSNVH SDFTRAMASV ARTPQQYERS FHFKYLHYYL TSAIQLLRKD SIMENGTLCY EVHYRTKDVH FNAYTGATIR FGQFLSTSL KEEAQEFGNQ TLFTIFTCLG APVQYFSLKK EVLIPPYELF KVINMSYHPR GDWLQLRSTG NLSTYNCQLL KAHHHHHH.		
Formulation	ART4 protein solution (0.25mg/ml) contains Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Ecto-ADP-Ribosyltransferase 4 or ART4 is typed as a glycosylphosphatidylinositol (GPI)-linked membrane protein which carries Dombrock blood group antigens. The development of this protein takes place at the highest levels in the fetal liver. the process of the ART4 development is regulated while the erythroid differentiation process occurs. ART4 is a is part of the Ribosyltransferase family.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ART4 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 248 amino acids (47-285 a.a.) and having a molecular mass of 28.8kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). ART4 is expressed with a 9 amino

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA