

32-6671: ART4 Human

Alternative Name : ARTC4, DOK1, CD297 Antigen, Dombrock Blood Group, ADP-Ribosyltransferase 4, Ecto-ADP-Ribosyltransferase 4.

Description

Source: Sf9, Insect cells.

Sterile Filtered colorless solution.

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. At the process of the ART4 development is regulated while the erythroid differentiation process occurs. ART4 is a part of the Ribosyltransferase family.

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

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85% as determined by SDS-PAGE.

Content : ART4 protein solution (0.25mg/ml) contains Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : ADPSEVAIKI DDFDFAPGSFD DQYQGCSKQV MEKLTQGDYF TKDIEAQKNY FRMWQKAHLA
WLNQGKVLQP NMTTTHAVAI LFYTLNSNVH SDFTRAMASV ARTPQQYERS FHFKYLHYLL TSAIQLLRKD
SIMENGTLCY EVHYRTKDVH FNAYTGATIR FGQFLSTSL KEEAQEFGNQ TLFTIFTCLG APVQYFSLKK
EVLIPPYELF KVINMSYHPR GDWLQLRSTG NLSTYNCQLL KAHHHHHH.