

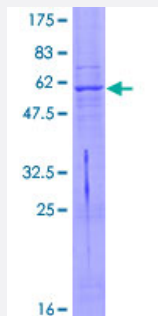
Full-Length

ART4 (Human) Recombinant Protein (P01)

Catalog # H00000420-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ART4 full-length ORF (NP_066549.2, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGPLINRCKKILLPTTVPPATMRWLLGGLLPFLLLLSGLQRPTEGSEVAIKIDFDFAPGSFDDQYQ
GCSKQVMEKLTQGDYFTKDIEAQKNYFRMWQKAHLAWLNQGKVL PQNMTTTHAVAILFYTLNSNV
HSDFTRAMASVARTPQQYERSFHF KYLHYLTSAIQLLRKDSIMENGTLCYEVHYRTKDVHFNAYT
GATIRFGQFLSTLLKEEAQEFGNQTLFTIFTCLGAPVQYFSLKKEVLIPPYELFKVINMSYHPRGD
WLQLRSTGNLSTYNCQLLKASSKKCIPDPIASLSFLT SVIIFSKSRV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ART4

Entrez GeneID [420](#)

GeneBank Accession# [NM_021071.2](#)

Protein Accession# [NP_066549.2](#)

Gene Name ART4

Gene Alias CD297, DO, DOK1

Gene Description ADP-ribosyltransferase 4 (Dombrock blood group)

Omim ID [110600](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that contains a mono-ADP-ribosylation (ART) motif. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Antigens of the Dombrock blood group system are located on the gene product, which is glycosylphosphatidylinositol-anchored to the erythrocyte membrane. Allelic variants, some of which lead to adverse transfusion reactions, are known. [provided by RefSeq]

Other Designations ADP-ribosyltransferase 4|ADP-ribosyltransferase 4 (DO blood group)|Dombrock blood group carrier molecule|mono-ADP-ribosyltransferase 4