

Recombinant Full Length Human ART4 Protein, GST-tagged

Cat. No. ART4-1019HF Lot. No. (See product label)

SPECIFICATION

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

Species Human

Source In Vitro Cell Free System

ProteinLength 314 amino acids

Description 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, Jul 2008]

Molecular Mass 62.3 kDa

AA Sequence

MGPLINRCKK ILLPTTVPPA TMRIWLLGGL LPFLLLLSGL QRPTEGSEVA
 IKIDDFDFAPG SFDDQYQGCS KQVMEKLTQG DYFTKDIEAQ KNYFRMWQKA
 HLAWLNQGKV LPQNMTTTHA VAILFYTLNS NVHSDFTRAM ASVARTPQQY
 ERSFHFVKYLH YYLTSAIQLL RKDSIMENGT LCYEVHYRDK DVHFNAYTGA
 TIRFGQFLST SLLKEEAQEF GNQTLFTIFT CLGAPVQYFS LKKEVLIPPY
 ELFKVINMSY HPRGDWLQLR STGNLSTYNC QLLKASSKKC IPDPIAIASL
 SFLTSVIIFS KSRV

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ART4 ADP-ribosyltransferase 4 (Dombrock blood group) [Homo sapiens]
Official Symbol	ART4
Synonyms	ART4; ADP-ribosyltransferase 4 (Dombrock blood group); ADP ribosyltransferase 4 , ADP ribosyltransferase 4 (DO blood group) , DO, Dombrock blood group; ecto-ADP-ribosyltransferase 4; CD297; DOK1; mono-ADP-ribosyltransferase 4; mono(ADP-ribosyl)transferase 4; Dombrock blood group carrier molecule; ADP-ribosyltransferase 4 (DO blood group); NAD(P)(+)-arginine ADP-ribosyltransferase 4; DO
Gene ID	420
mRNA Refseq	NM_021071
Protein Refseq	NP_066549
MIM	110600
UniProt ID	Q93070

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