

# Recombinant Human ART5, His-tagged

**Cat. No.** ART5-33H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Ecto-ADP-Ribosyltransferase 5/ART5 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Pro291) of Human ART5 fused with a polyhistidine tag at the C-terminus.                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-291 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Ecto-ADP-Ribosyltransferase 5 (ART5) is a member of the ARG-specific ADP-ribosyltransferase family. Members of this family regulate the function of target proteins by attaching ADP-ribose to specific amino acid residues in their target proteins. ART5 is a secreted protein and contains four NAD binding sites. ART5 proposes to regulate the endocytosis of plasma membrane proteins by recruiting the ubiquitin ligase Rsp5p to its target in the plasma membrane. |
| <b>AA Sequence</b>      | VPTILPLGLAPDTFDDTYVGCAEEMEEKAAPLLKEEMAHHALLRESWEAAQETWED<br>KRRGLTLPP GFKAQNGIAIMVYTNSNTLYWELNQAVRTGGGSRELYMRHFPFKAL<br>HFYLIRALQLLRGSGGCS RGPGEVVFRGVGSLRFEPKRLGDSVRLGQFASSSLDKA<br>VAHRFGNATLFLSTTCFGAPIQAFSVF PKEREVLIPPHEVFLVTRFSQDGAQSLVTL<br>WSYNQTCSHFNCAYLGGGEKRRGCVSAPGALGTGDL HMTKRHLQQP                                                                                                                                                                         |
| <b>Endotoxin</b>        | Less than 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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ng/μg (1 IEU/μg).

**Purity**

Greater than 95% as determined by reducing SDS-PAGE.

## GENE INFORMATION

**Gene Name**

ART5 ADP-ribosyltransferase 5 [ Homo sapiens ]

**Official Symbol**

ART5

**Synonyms**

ART5; ADP-ribosyltransferase 5; ecto-ADP-ribosyltransferase 5; mono(ADP-ribosyl)transferase 5; NAD(P)(+)-arginine ADP-ribosyltransferase 5; MGC22848;

**Gene ID**

116969

**mRNA Refseq**

NM\_001079536

**Protein Refseq**

NP\_001073004

**MIM**

610625

**UniProt ID**

Q96L15

**Chromosome  
Location**

11p15.4

**Function**

NAD(P)+-protein-arginine ADP-ribosyltransferase activity; NAD+ ADP-ribosyltransferase activity; NAD+ nucleosidase activity; transferase activity, transferring glycosyl groups;

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