

Human ART3 Protein (His Tag)

Catalog Number: 13542-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

ARTC3

Protein Construction:

A DNA sequence encoding the human ART3(AAH08397.1) (Met1-Ser362) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Glu 27

Molecular Mass:

The recombinant human ART3 consists of 347 amino acids and predicts a molecular mass of 39.6 KDa. It migrates as an approximately 49 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

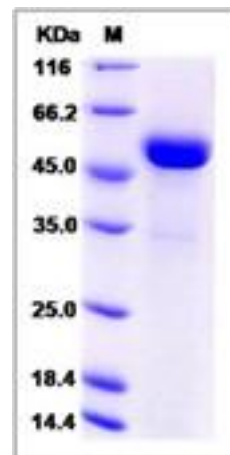
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

ART3 is an arginine-specific ADP-ribosyltransferase which belongs to the Arg-specific ADP-ribosyltransferase family. ART3 catalyzes a reversible reaction which modifies proteins by the addition or removal of ADP-ribose to an arginine residue to regulate the function of the modified protein. It is expressed specifically in testis. ART3 pseudogene is located on chromosome 11. ART3 was identified as a susceptibility gene for non-obstructive azoospermia (NOA). It is a novel therapeutic target in the treatment of NOA.

References

1. Lévy I, *et al.* (1996) Human testis specifically expresses a homologue of the rodent T lymphocytes RT6 mRNA. *FEBS Lett.* 382(3):276-80.
2. Suzuki Y, *et al.* (1997) Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. *Gene.* 200 (1-2):149-56.
3. Balducci E, *et al.* (1999) Selective expression of RT6 superfamily in human bronchial epithelial cells. *Am J Respir.* 21(3):337-46.

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