



Recombinant Protein Technical Manual

Recombinant Human ART3 Protein (His Tag)

RPES3841

Product Data:

Product SKU: RPES3841

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAH08397.1

Protein Information:

Molecular Mass: 39.6 kDa

AP Molecular Mass: 49 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: ARTC3

Immunogen Information:

Sequence: Met 1-Ser362

Background:

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.