Recombinant NAR3 protein (His tag)

Catalog Number	540267
Synonyms	ADP-ribosyltransferase C2 and C3 toxin-like 3; ARTC3; Mono(ADP-ribosyl)transferase 3; NAD(P)(+)--arginine ADP-ribosyltransferase 3
Species	Human
Expression System	E. coli
Accession	Q13508
Molecular Weight	Predictes a molecular mass of 29.72 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	27-272
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 27-272 aa (Q13508) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This recombinant protein product features a fragment (residues 27-272) of human Ecto-ADP-ribosyltransferase 3 (ARTC3), a key enzyme involved in ADP-ribosylation. The fragment is engineered to include the complete TR mART core domain (residues 64-251), making it an ideal tool for studying domain-specific catalytic activity and molecular interactions in vitro. Ecto-ADP-ribosyltransferase 3 (ARTC3) is a human enzyme classified as a mono(ADP-ribosyl)transferase that catalyzes the transfer of ADP-ribose from NAD+ to arginine residues in target proteins, playing a role in post-translational modifications. The full-length protein is localized to the cell membrane via a GPI-anchor, suggesting its involvement in extracellular or membrane-associated signaling processes. While a detailed functional summary is not provided, ARTC3's enzymatic activity implies potential roles in cell communication, immune regulation, or other biological pathways dependent on ADP-ribosylation.