Recombinant NAR1 protein (His tag)

Catalog Number	537826
Synonyms	P; +; ADP-ribosyltransferase C2 and C3 toxin-like 1; ARTC1; Mono(ADP-ribosyl)transferase 1; CD antigen CD296
Species	Human
Expression System	E. coli
Accession	P52961
Molecular Weight	Predictes a molecular mass of 30.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	33-295
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 33-295 aa (P52961) 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	Recombinant human GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1 (ARTC1) fragment encompassing amino acids 33-295. This high-purity protein includes the complete TR mART core domain (73-273), making it an ideal tool for studying ADP-ribosyltransferase activity and related cellular functions. The full-length ARTC1 protein functions as an ADP-ribosyltransferase with specific activity toward GLP1R, playing a role in post-translational modification processes. This membrane-associated enzyme is localized to the sarcoplasmic reticulum membrane where it is anchored via a GPI-linkage. The protein is also known as CD296 and belongs to the mono(ADP-ribosyl)transferase family, with implications in various cellular signaling pathways and metabolic regulation.