Recombinant NAR5 protein (His tag)

Catalog Number	549885
Synonyms	ADP-ribosyltransferase C2 and C3 toxin-like 5; ARTC5; Mono(ADP-ribosyl)transferase 5; NAD(P)(+)--arginine ADP-ribosyltransferase 5
Species	Human
Expression System	E. coli
Accession	Q96L15
Molecular Weight	Predictes a molecular mass of 31.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	23-291
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 23-291 aa (Q96L15) 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 Ecto-ADP-ribosyltransferase 5 (ARTC5) Fragment (residues 23-291) is a high-purity protein designed for studying ADP-ribosylation mechanisms. This fragment encompasses the complete TR mART core domain, making it an ideal tool for investigating enzymatic activity, substrate specificity, and signaling pathways in cellular research. Ecto-ADP-ribosyltransferase 5 (ARTC5) is a secreted enzyme belonging to the ADP-ribosyltransferase family, catalyzing the transfer of ADP-ribose groups from NAD+ to arginine residues in target proteins—a key post-translational modification regulating various cellular processes. Its secretion suggests roles in extracellular signaling, immune modulation, or intercellular communication. The absence of a detailed functional summary in available data highlights the importance of research tools like this recombinant fragment to elucidate ARTC5's specific biological roles and mechanisms.