Recombinant ARMC1 protein (His tag)

Catalog Number	539072
Species	Human
Expression System	E. coli
Accession	Q9NVT9
Molecular Weight	Predictes a molecular mass of 28.53 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-242
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-242 aa (Q9NVT9) 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 Armadillo repeat-containing protein 1 (ARMC1) fragment (amino acids 1-242) is a high-quality protein product designed for structural and biochemical studies. This stable, soluble fragment enables researchers to investigate ARMC1's role in mitochondrial dynamics and organization, offering a reliable tool for advancing cellular biology research. The full-length Armadillo repeat-containing protein 1 (ARMC1) plays a crucial role in regulating mitochondrial dynamics, including mitochondrial length, distribution, and motility. It functions in association with components of the mitochondrial contact site and cristae organizing system (MICOS) complex and mitochondrial outer membrane sorting assembly machinery (SAM) complex. ARMC1 localizes to the cytoplasm and mitochondrion outer membrane, where it associates with the outer membrane—likely through its C-terminus—without being integrated into it. This strategic positioning underscores its importance in mitochondrial organization and cellular energy regulation.