Recombinant AARD protein (His tag)

Catalog Number	549220
Species	Human
Expression System	E. coli
Accession	Q4LEZ3
Molecular Weight	Predictes a molecular mass of 13.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	52-155
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 52-155 aa (Q4LEZ3) 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 AARD Protein Fragment (52-155): A high-quality, stable, and soluble fragment of the alanine- and arginine-rich domain-containing protein, specifically designed for structural biology and biochemical studies. This 104-amino acid fragment represents a computationally optimized region that maintains excellent solubility properties while providing a representative unit for experimental analysis. The full-length alanine- and arginine-rich domain-containing protein (AARD) is encoded by the AARD gene in Homo sapiens. While comprehensive functional characterization and subcellular localization data for the complete protein are not fully established, this recombinant fragment (amino acids 52-155) was computationally selected based on structural predictions to represent a stable and soluble protein unit. This strategic selection makes the fragment particularly suitable for structural determination, protein-protein interaction studies, and various biochemical applications where stable, soluble protein constructs are essential for successful experimental outcomes.