Recombinant AVEN protein (His tag)

Catalog Number	549380
Species	Human
Expression System	E. coli
Accession	Q9NQS1
Molecular Weight	Predictes a molecular mass of 12.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	110-204
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 110-204 aa (Q9NQS1) 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 Cell death regulator Aven (AVEN) Fragment (aa 110-204) is a highly stable and soluble protein fragment designed for structural and biochemical studies. This 95-amino acid fragment retains key characteristics of the full-length protein, offering researchers a reliable tool to investigate apoptosis regulation mechanisms. Cell death regulator Aven (UniProt ID: Q9NQS1) is a human protein that functions as a protective agent against apoptosis mediated by Apaf-1, playing a crucial role in cellular survival pathways. The protein is primarily associated with intracellular membranes within the endomembrane system, where it operates as a peripheral membrane protein. This strategic localization allows Aven to effectively modulate apoptotic signaling cascades at critical cellular compartments, making it an important target for cancer research and cell death studies.