# Recombinant AAMP protein (His tag)

| | |
|---|---|
| **Catalog Number** | 542646 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q13685 |
| **Molecular Weight** | Predictes a molecular mass of 39.82 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band. |

## Product Information

| | |
|---|---|
| **Sequence Region** | 80-434 |
| **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 80-434 aa (Q13685) 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.<br>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 Angio-associated migratory cell protein (AAMP) fragment (aa 80-434) is a high-quality protein preparation designed for angiogenesis and cell migration research. This 355-amino acid fragment represents a stable, soluble domain ideal for structural studies and functional assays.<br>Angio-associated migratory cell protein (AAMP) plays a critical role in angiogenesis and cell migration processes. In smooth muscle cell migration, it functions through the RhoA pathway, making it an important target for vascular biology and cancer research. The protein localizes to both the cell membrane and cytoplasm, indicating its involvement in intracellular signaling and membrane-associated processes. This recombinant fragment was computationally selected to provide a stable, soluble unit suitable for detailed structural and biochemical characterization while maintaining functional relevance. |