# Recombinant AGA11 protein (His tag)

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| **Catalog Number** | 550201 |
| **Synonyms** | AGAP-11; Centaurin-gamma-like protein KIAA1975 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q8TF27 |
| **Molecular Weight** | Predictes a molecular mass of 32.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band. |

## Product Information

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| **Sequence Region** | 271-550 |
| **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 271-550 aa (Q8TF27) were fused with 6His tag. |

## Storage & Handling

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| **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

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| **Description** | Recombinant Human AGAP-11 (271-550) Fragment is a high-purity protein product encompassing the Arf-GAP domain of AGAP-11, designed for targeted functional studies. This fragment provides researchers with a precise tool to investigate the GTPase-activating properties and domain-specific mechanisms of this regulatory protein.<br>AGAP-11 (Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 11) is a human protein functioning as a putative GTPase-activating protein (GAP). GAP proteins play crucial regulatory roles in cellular signaling by accelerating GTP hydrolysis in small GTPases, thereby controlling their activity states. While subcellular localization data is unavailable, AGAP-11's GAP activity suggests involvement in fundamental cellular processes regulated by GTPase switching mechanisms. The provided fragment (residues 271-550) specifically contains the Arf-GAP domain (residues 328-448), enabling focused investigation into this core functional region. |