# Recombinant AGFG2 protein (His tag)

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| **Catalog Number** | 549709 |
| **Synonyms** | HIV-1 Rev-binding protein-like protein; Rev/Rex activation domain-binding protein related; RAB-R |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | O95081 |
| **Molecular Weight** | Predictes a molecular mass of 18.31 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band. |

## Product Information

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| **Sequence Region** | 1-151 |
| **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 1-151 aa (O95081) 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** | This recombinant protein product features a stable and soluble fragment (residues 1-151) of the Arf-GAP domain and FG repeat-containing protein 2 (AGFG2), derived from Homo sapiens. Ideal for structural and biochemical studies, this fragment was computationally optimized to support research on its functional domains and interactions.<br>The full-length Arf-GAP domain and FG repeat-containing protein 2, encoded by the AGFG2 gene, is implicated in cellular processes involving GTPase-activating protein (GAP) activity and FG repeats, which are often associated with nucleocytoplasmic transport. It is also known as HIV-1 Rev-binding protein-like protein, suggesting potential roles in viral-host interactions, though specific functional and subcellular localization details are not provided. This fragment aids in elucidating the protein's molecular mechanisms without requiring the complete sequence. |