Recombinant GIT2 protein (His tag)

Catalog Number	547292
Synonyms	ARF GAP GIT2; Cool-interacting tyrosine-phosphorylated protein 2; CAT-2; CAT2; G protein-coupled receptor kinase-interactor 2; GRK-interacting protein 2
Species	Human
Expression System	E. coli
Accession	Q14161
Molecular Weight	Predictes a molecular mass of 41.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

Product Information

Sequence Region	1-358
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-358 aa (Q14161) 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 ARF GTPase-activating protein GIT2 (ARF GAP GIT2) fragment (residues 1-358) is a high-purity protein designed for studying the Arf-GAP domain. This fragment enables targeted investigation of GTPase-activating functions for ADP ribosylation factors, offering a precise tool for cellular signaling and trafficking research. The full-length ARF GTPase-activating protein GIT2 (UniProt ID: Q14161) is a human protein that functions as a GTPase-activating protein (GAP) for ADP ribosylation factor (ARF) family members, including ARF1. This activity regulates ARF-mediated signaling pathways, which are critical for intracellular trafficking, membrane dynamics, and cytoskeletal organization. The provided fragment encompasses the Arf-GAP domain (residues 1-124), allowing researchers to explore the mechanistic basis of GIT2's role in ARF inactivation and its broader implications in cellular processes.