Recombinant IQGA3 protein (His tag)

Catalog Number	547636
Species	Human
Expression System	E. coli
Accession	Q86VI3
Molecular Weight	Predictes a molecular mass of 12.86 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1535-1631
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 1535-1631 aa (Q86VI3) 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 Ras GTPase-activating-like protein IQGAP3 (1535-1631) is a highly stable and soluble 97-amino acid fragment, specifically engineered for structural biology and biochemical studies. This purified fragment provides researchers with an optimal tool for investigating IQGAP3's molecular mechanisms without the complexities of working with the full-length protein. The full-length Ras GTPase-activating-like protein IQGAP3, encoded by the IQGAP3 gene in Homo sapiens, is involved in cellular signaling pathways. While specific functional details and subcellular localization information are not provided in the available data, IQGAP proteins typically function as scaffolding molecules that integrate multiple signaling pathways, including those involving small GTPases, and play roles in cell adhesion, migration, and cytoskeletal organization.