Recombinant RASF3 protein (His tag)

Catalog Number	545343
Species	Human
Expression System	E. coli
Accession	Q86WH2
Molecular Weight	Predictes a molecular mass of 23.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	48-238
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 48-238 aa (Q86WH2) 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 RASSF3 (Ras association domain-containing protein 3) fragment (residues 48-238) is a high-purity protein designed to encompass the Ras-associating and SARAH functional domains. This fragment serves as an essential tool for researchers investigating domain-specific interactions, signaling pathways, and molecular mechanisms in cellular processes. Ras association domain-containing protein 3, encoded by the RASSF3 gene in Homo sapiens, is localized primarily in the cytoplasm and specifically associates with microtubules in vascular endothelial cells, as indicated by experimental evidence. Although a detailed functional summary is not provided, its subcellular localization suggests potential roles in cytoskeletal organization, intracellular trafficking, or signal transduction pathways. The inclusion of both Ras-associating and SARAH domains in this recombinant fragment enables focused studies on protein-protein interactions, regulatory functions, and the molecular basis of RASSF3's involvement in cellular dynamics.