Recombinant RASF2 protein (His tag)

Catalog Number	542380
Species	Human
Expression System	E. coli
Accession	P50749
Molecular Weight	Predictes a molecular mass of 21.62 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	157-326
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 157-326 aa (P50749) 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 RASSF2 (157-326) Fragment - A high-purity protein fragment encompassing the complete Ras-associating and SARAH domains of the Ras association domain-containing protein 2, designed for targeted functional studies of this potential tumor suppressor's specific domain interactions and regulatory mechanisms. RASSF2 (Ras association domain-containing protein 2) functions as a potential tumor suppressor and KRAS-specific effector protein that promotes apoptosis and cell cycle arrest. This protein stabilizes STK3/MST2 by protecting it from proteasomal degradation, playing a crucial role in cellular regulation. RASSF2 localizes to the nucleus and cytoplasm, with specific presence at chromosome centromeres and kinetochores, and translocates to the cytoplasm in the presence of STK3/MST2 and STK4/MST1, indicating dynamic subcellular redistribution in response to signaling partners.