Recombinant SAM14 protein (His tag)

Catalog Number	550954
Synonyms	SAM domain-containing protein 14
Species	Human
Expression System	E. coli
Accession	Q8IZD0
Molecular Weight	Predictes a molecular mass of 12.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	322-417
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 322-417 aa (Q8IZD0) 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	This recombinant protein product features the Sterile alpha motif (SAM) domain from human SAMD14 (amino acids 322-417), providing researchers with a purified, functional domain fragment ideal for investigating SAM domain-specific interactions and molecular mechanisms. Sterile alpha motif domain-containing protein 14 (SAMD14) is a human protein containing a SAM domain, which is a protein interaction module involved in diverse cellular processes including signal transduction, transcriptional regulation, and developmental patterning. The SAM domain (residues 326-389) within this fragment represents the core functional region, making this recombinant protein particularly valuable for studying domain-specific protein-protein interactions and molecular recognition events.