Recombinant SAM10 protein (His tag)

Catalog Number	551878
Synonyms	SAM domain-containing protein 10
Species	Human
Expression System	E. coli
Accession	Q9BYL1
Molecular Weight	Predictes a molecular mass of 12.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	113-202
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 113-202 aa (Q9BYL1) 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 high-quality recombinant protein product features a 90-amino acid fragment (residues 113-202) of human Sterile alpha motif domain-containing protein 10 (SAMD10). The fragment is expertly designed to fully encompass the critical SAM functional domain (residues 118-184), making it an ideal, focused tool for researchers studying the specific biochemical and cellular functions of this domain in isolation. Sterile alpha motif domain-containing protein 10, encoded by the SAMD10 gene, is a human protein of significant research interest. While specific functional and subcellular localization data for the full-length protein are areas of active investigation, proteins containing SAM domains are typically involved in critical cellular processes such as signal transduction, transcriptional regulation, and the formation of protein complexes. This recombinant fragment provides a targeted reagent to elucidate the specific role of the SAM domain within SAMD10, facilitating studies on its protein-protein interaction capabilities and molecular mechanisms.