Recombinant SAM13 protein (His tag)

Catalog Number	551701
Synonyms	SAM domain-containing protein 13
Species	Human
Expression System	E. coli
Accession	Q5VXD3
Molecular Weight	Predictes a molecular mass of 15.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-122
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-122 aa (Q5VXD3) 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-purity recombinant protein corresponds to amino acids 1-122 of human Sterile alpha motif domain-containing protein 13 (SAMD13). The fragment is specifically designed to encompass the complete SAM (Sterile Alpha Motif) domain, making it an ideal, well-defined tool for researchers investigating SAM domain-mediated protein-protein interactions, signaling pathways, and the molecular functions of SAMD13. Sterile alpha motif domain-containing protein 13 (SAMD13) is a human protein encoded by the SAMD13 gene. While a detailed functional summary and subcellular location for the full-length protein are not fully characterized in the provided data, proteins containing SAM domains are typically involved in critical cellular processes. SAM domains are known to facilitate protein-protein and protein-RNA interactions, playing roles in transcriptional regulation, signal transduction, and developmental pathways. This recombinant fragment provides a focused reagent to probe the specific biochemical and biophysical properties of the SAMD13 SAM domain, aiding in the functional characterization of this protein.