Recombinant SAM15 protein (His tag)

Catalog Number	550513
Synonyms	SAM domain-containing protein 15
Species	Human
Expression System	E. coli
Accession	Q9P1V8
Molecular Weight	Predictes a molecular mass of 17.15 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	540-674
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 540-674 aa (Q9P1V8) 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 SAMD15 (Sterile alpha motif domain-containing protein 15) Fragment (aa 540-674). This high-purity protein fragment is engineered to encompass the complete SAM domain (aa 545-608), providing an ideal tool for investigating domain-specific interactions and functions in cellular signaling and regulatory processes. Sterile alpha motif domain-containing protein 15 (SAMD15) is a human protein identified by the UniProt accession Q9P1V8. While comprehensive functional data and subcellular localization information for the full-length protein are not fully characterized in the provided data, SAM domains are known to mediate protein-protein interactions involved in diverse cellular processes including signal transduction, transcriptional regulation, and developmental pathways. This recombinant fragment enables focused study of the SAM domain's structural and functional properties within the context of SAMD15 biology.