Recombinant SAMD3 protein (His tag)

Catalog Number	540749
Synonyms	SAM domain-containing protein 3
Species	Human
Expression System	E. coli
Accession	Q8N6K7
Molecular Weight	Predictes a molecular mass of 30.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	282-520
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 282-520 aa (Q8N6K7) 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 is a high-purity fragment of human Sterile alpha motif domain-containing protein 3 (SAMD3), spanning residues 282-520. Designed for stability and solubility, this 239-amino acid fragment is ideal for structural studies, biochemical assays, and functional investigations in life science research. Sterile alpha motif domain-containing protein 3, encoded by the SAMD3 gene in Homo sapiens, is a protein whose full functional and subcellular characteristics are still under investigation. The selected fragment (282-520) was computationally optimized to enhance experimental utility, providing researchers with a reliable tool to explore the protein's potential roles and mechanisms in cellular processes.