Recombinant SCML1 protein (His tag)

Catalog Number	549678
Species	Human
Expression System	E. coli
Accession	Q9UN30
Molecular Weight	Predictes a molecular mass of 10.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	251-329
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 251-329 aa (Q9UN30) 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 SCML1 (Sex comb on midleg-like protein 1) Fragment (aa 251-329) is a high-purity protein designed to encompass the SAM domain, providing an essential tool for investigating domain-specific functions in epigenetic regulation and spermatogenesis. Sex comb on midleg-like protein 1 (SCML1) is a putative Polycomb group (PcG) protein that functions within multiprotein complexes to maintain transcriptional repression of homeotic genes during development. It plays a critical role in epigenetic regulation and is implicated in spermatogenesis during sexual maturation. The protein localizes to the nucleus, where it contributes to chromatin-associated processes. The recombinant fragment (aa 251-329) includes the complete SAM domain (aa 258-325), enabling focused studies on domain-mediated interactions and functions in cellular differentiation and development.