Recombinant SCML2 protein (His tag)

Catalog Number	546267
Species	Human
Expression System	E. coli
Accession	Q9UQR0
Molecular Weight	Predictes a molecular mass of 10.29 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	626-700
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 626-700 aa (Q9UQR0) 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 SCML2 (Sex comb on midleg-like protein 2) Fragment (626-700) - A high-quality protein fragment specifically designed to encompass the complete SAM domain, providing researchers with an ideal tool for studying domain-specific functions in epigenetic regulation and Polycomb group protein mechanisms. Sex comb on midleg-like protein 2 (SCML2) is a putative Polycomb group (PcG) protein that functions by forming multiprotein complexes essential for maintaining the transcriptionally repressive state of homeotic genes throughout development. As a nuclear protein, SCML2 plays a critical role in epigenetic regulation and developmental gene silencing. The full-length protein contributes to the multiprotein complexes that establish and maintain heritable patterns of gene repression, making it a significant target for research in developmental biology, epigenetics, and gene regulation mechanisms.