Recombinant SRCAP protein (His tag)

Catalog Number	545260
Synonyms	Domino homolog 2; Snf2-related CBP activator
Species	Human
Expression System	E. coli
Accession	Q6ZRS2
Molecular Weight	Predictes a molecular mass of 39.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	608-925
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 608-925 aa (Q6ZRS2) 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 Helicase SRCAP (EC 3.6.4.-) Fragment (aa 608-925) from Homo sapiens, encompassing the essential Helicase ATP-binding domain. This high-purity protein is an ideal reagent for investigating ATP-dependent chromatin remodeling mechanisms and transcriptional regulation in targeted research applications. Helicase SRCAP (Snf2-related CBP activator) is a catalytic component of the SRCAP complex, which drives ATP-dependent exchange of histone H2AZ/H2B dimers for nucleosomal H2A/H2B. This chromatin remodeling activity enables precise transcriptional regulation of select genes. The protein functions as a coactivator for CREB-mediated, steroid receptor-mediated, and Notch-mediated transcription pathways. It is localized to the nucleus, where it orchestrates key epigenetic modifications. The provided fragment (amino acids 608-925) includes the Helicase ATP-binding domain (residues 630-795), allowing focused study of ATP hydrolysis and chromatin remodeling functions without interference from other regulatory regions.