Recombinant RCOR3 protein (His tag)

Catalog Number	548433
Species	Human
Expression System	E. coli
Accession	Q9P2K3
Molecular Weight	Predictes a molecular mass of 16.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	216-349
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 216-349 aa (Q9P2K3) 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 REST Corepressor 3 (RCOR3) Fragment (aa 216-349) is a high-purity protein designed for functional studies of the SANT 2 domain. This 134-amino acid fragment provides researchers with a precise tool to investigate the transcriptional repression mechanisms mediated by this key domain. REST Corepressor 3 (RCOR3) functions as a component of a corepressor complex that represses transcription, playing a crucial role in gene regulation. The protein is localized to the nucleus, where it participates in chromatin remodeling and transcriptional control processes. The specific fragment (aa 216-349) fully encompasses the SANT 2 domain (aa 285-336), enabling focused investigation of domain-specific interactions and functions within transcriptional repression pathways.