Recombinant CRML protein (His tag)

Catalog Number	550747
Synonyms	Cramped chromatin regulator homolog 1; Hematological and neurological expressed 1-like protein
Species	Human
Expression System	E. coli
Accession	Q96RY5
Molecular Weight	Predictes a molecular mass of 32.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	165-427
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 165-427 aa (Q96RY5) 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 CRAMP1 Protein Fragment (165-427) is a high-quality, stable, and soluble protein designed for structural and biochemical studies. This fragment of the Protein cramped-like (Cramped chromatin regulator homolog 1) is computationally optimized to facilitate research into chromatin regulation and gene expression mechanisms. The full-length Protein cramped-like (CRAMP1) is a nuclear protein, as indicated by its subcellular localization in the nucleus. While a detailed functional summary is not provided, its association with chromatin regulation and expression in hematological and neurological contexts suggests a role in epigenetic modifications and cellular differentiation processes. This recombinant fragment offers a focused tool for investigating these critical biological pathways.