Recombinant CDYL2 protein (His tag)

Catalog Number	549580
Synonyms	CDY-like 2
Species	Human
Expression System	E. coli
Accession	Q8N8U2
Molecular Weight	Predictes a molecular mass of 30.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	248-506
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 248-506 aa (Q8N8U2) 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 CDY-like 2 Protein Fragment (248-506) is a high-quality, soluble protein preparation designed for structural biology and biochemical studies. This 259-amino acid fragment of Chromodomain Y-like protein 2 represents a stable, well-folded region computationally optimized for experimental applications, providing researchers with a reliable tool for investigating this nuclear protein's functional properties. Chromodomain Y-like protein 2 (CDY-like 2), encoded by the CDYL2 gene, is a nuclear protein localized to the nucleus as indicated by its subcellular location. While specific functional details are still under investigation, nuclear localization suggests potential roles in chromatin organization, gene regulation, or other nuclear processes. The selection of amino acids 248-506 represents a structurally stable and soluble domain that maintains key characteristics of the full-length protein while offering enhanced experimental utility for research applications.