Recombinant CCD33 protein (His tag)

Catalog Number	549286
Synonyms	Cancer/testis antigen 61; CT61
Species	Human
Expression System	E. coli
Accession	Q8N5R6
Molecular Weight	Predictes a molecular mass of 41.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	231-586
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 231-586 aa (Q8N5R6) 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 Coiled-coil domain-containing protein 33 (CCDC33), also known as Cancer/testis antigen 61 (CT61), fragment 231-586. This 356-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal tool for structural studies and biochemical assays. Coiled-coil domain-containing protein 33 (CCDC33), encoded by the CCDC33 gene in Homo sapiens, is identified as Cancer/testis antigen 61 (CT61). Cancer/testis antigens are typically expressed in germ cells and various cancers but are largely absent in normal somatic tissues, suggesting potential roles in oncogenesis and as immunotherapy targets. While specific functional and subcellular localization data are not fully characterized, proteins in this family often participate in cellular processes such as transcriptional regulation, cell cycle control, or structural organization. The provided fragment (residues 231-586) represents a stable, soluble region selected to facilitate research into the protein's properties and interactions.