Recombinant CC112 protein (His tag)

Catalog Number	549587
Synonyms	Mutated in bladder cancer protein 1
Species	Human
Expression System	E. coli
Accession	Q8NEF3
Molecular Weight	Predictes a molecular mass of 55.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 63 kDa band.

Product Information

Sequence Region	1-446
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-446 aa (Q8NEF3) 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 112 (CCDC112), also known as Mutated in bladder cancer protein 1, is a high-quality protein fragment (residues 1-446) designed for stability and solubility. This product is ideal for investigating protein-protein interactions, structural studies, and functional assays related to centrosomal and cytoskeletal biology. Coiled-coil domain-containing protein 112 (CCDC112) is a human protein implicated in cellular organization, with mutations associated with bladder cancer. It localizes to the cytoplasm, cytoskeleton, microtubule organizing center, centrosome, and centriolar satellites, suggesting roles in centrosome function, cell division, and microtubule dynamics. The provided fragment (1-446) encompasses the full-length domain structure, enabling research into its molecular mechanisms and disease relevance.