Recombinant CCD50 protein (His tag)

Catalog Number	547682
Synonyms	Protein Ymer
Species	Human
Expression System	E. coli
Accession	Q8IVM0
Molecular Weight	Predictes a molecular mass of 16.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	2-127
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 2-127 aa (Q8IVM0) 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 50 (CCDC50, Protein Ymer) fragment (residues 2-127) is a highly stable and soluble protein unit designed for structural and biochemical studies. This fragment supports research into EGFR signaling pathways, offering a reliable tool for investigating cellular mechanisms. Coiled-coil domain-containing protein 50 (CCDC50), also known as Protein Ymer, is involved in EGFR signaling, as supported by experimental evidence (PubMed:15314609). The full-length protein localizes to the cytoplasm, where it associates with microtubules of the cytoskeleton and mitotic apparatus, indicating a role in cellular structure and division processes. This recombinant fragment (residues 2-127) was selected computationally to provide a stable and soluble representation of the protein, facilitating detailed analysis of its functional properties without the complexities of the full-length molecule.