Recombinant CBLL2 protein (His tag)

Catalog Number	547752
Synonyms	Cbl proto-oncogene-like protein 2; RING-type E3 ubiquitin transferase ZNF645; Zinc finger protein 645; c-Cbl-like protein 2
Species	Human
Expression System	E. coli
Accession	Q8N7E2
Molecular Weight	Predictes a molecular mass of 13.43 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	42-141
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 42-141 aa (Q8N7E2) 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 CBLL2 Protein Fragment (42-141) is a high-purity, stable, and soluble fragment of human E3 ubiquitin-protein ligase CBLL2, designed for structural and biochemical studies. This 100-amino acid fragment retains key properties for investigating ubiquitination mechanisms and enzyme function. E3 ubiquitin-protein ligase CBLL2 (EC 2.3.2.27) is a RING-type E3 ubiquitin transferase that catalyzes the covalent attachment of ubiquitin moieties to substrate proteins, playing a critical role in post-translational modification and protein regulation. Research indicates it may target tyrosine-phosphorylated SRC substrates, implicating it in signaling pathways. The full-length protein is primarily localized in the cytoplasm, with specific presence in the postacrosomal perinuclear theca region and along the sperm tail, suggesting specialized functions in cellular processes. The selected fragment (42-141) was computationally optimized for stability and solubility, enabling reliable experimental applications without domain interference.