Recombinant LRCC1 protein (His tag)

Catalog Number	549364
Synonyms	Centrosomal leucine-rich repeat and coiled-coil domain-containing protein
Species	Human
Expression System	E. coli
Accession	Q9C099
Molecular Weight	Predictes a molecular mass of 24.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-207
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 1-207 aa (Q9C099) 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	This product is a recombinant protein fragment of human Leucine-rich repeat and coiled-coil domain-containing protein 1 (LRRCC1), spanning amino acids 1-207. It is designed for structural and biochemical studies, offering a stable and soluble unit ideal for investigating the protein's role in mitotic spindle organization and centrosome integrity. The full-length LRRCC1 protein is essential for the organization of the mitotic spindle and maintains the structural integrity of centrosomes during mitosis. It localizes to the cytoplasm, specifically at the microtubule organizing center, including the centrosome and centriole, where it associates throughout the cell cycle and accumulates significantly during the mitotic phase. This highlights its critical function in cell division processes, making it a key target for research in cellular biology and mitosis regulation.