Recombinant LRCH2 protein (His tag)

Catalog Number	550907
Species	Human
Expression System	E. coli
Accession	Q5VUJ6
Molecular Weight	Predictes a molecular mass of 15.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	638-765
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 638-765 aa (Q5VUJ6) 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 LRCH2 (638-765) Fragment: A high-purity protein fragment encompassing the Calponin-homology (CH) domain of Leucine-rich repeat and calponin homology domain-containing protein 2. This product is an essential tool for investigating cytoskeletal organization mechanisms and domain-specific functions in cellular studies. The full-length Leucine-rich repeat and calponin homology domain-containing protein 2 (LRCH2), encoded by the LRCH2 gene in Homo sapiens, is implicated in cytoskeletal organization, as supported by orthologous evidence (UniProtKB: Q5VUJ6). While subcellular localization data is unconfirmed, its functional association with cytoskeletal structure highlights its potential role in maintaining cellular architecture and dynamics. The provided fragment (residues 638-765) contains the complete Calponin-homology (CH) domain (642-755), enabling focused research on this domain's contributions to protein function and cytoskeletal interactions.