Recombinant LR74A protein (His tag)

Catalog Number	551679
Synonyms	Leucine-rich repeat-containing protein 74
Species	Human
Expression System	E. coli
Accession	Q0VAA2
Molecular Weight	Predictes a molecular mass of 47.15 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	81-488
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 81-488 aa (Q0VAA2) 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 high-quality recombinant fragment of the human Leucine-rich repeat-containing protein 74A (LRRC74A). The fragment, encompassing residues 81-488, has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology, biochemical characterization, and functional studies. Leucine-rich repeat-containing protein 74A (LRRC74A), encoded by the gene LRRC74A, is a human protein of significant research interest. While the specific molecular function and subcellular localization of the full-length protein are areas of active investigation, proteins containing leucine-rich repeat (LRR) domains are typically involved in protein-protein interactions, signal transduction, and various cellular processes. This recombinant fragment provides a defined and tractable tool to advance the biochemical and structural understanding of LRRC74A's role.