Recombinant LRRF2 protein (His tag)

Catalog Number	541646
Synonyms	LRR FLII-interacting protein 2
Species	Human
Expression System	E. coli
Accession	Q9Y608
Molecular Weight	Predictes a molecular mass of 23.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	338-520
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 338-520 aa (Q9Y608) 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 Leucine-rich repeat flightless-interacting protein 2 (LRRFIP2) fragment (residues 338-520) is a high-quality, stable protein designed for structural and biochemical studies. This 183-amino acid fragment, derived from the canonical Wnt and Toll-like receptor signaling regulator, offers excellent solubility and purity for research applications. The full-length LRRFIP2 protein functions as an activator of the canonical Wnt signaling pathway, operating upstream of β-catenin in association with DVL3. It also positively regulates Toll-like receptor (TLR) signaling by competing with the FLII negative regulator for MYD88 binding, enhancing cellular responses to agonists. These roles position LRRFIP2 as a significant player in key signaling pathways with implications for immune response and cellular regulation.