Recombinant FKBPL protein (His tag)

Catalog Number	549403
Synonyms	WAF-1/CIP1 stabilizing protein 39; WISp39
Species	Human
Expression System	E. coli
Accession	Q9UIM3
Molecular Weight	Predictes a molecular mass of 29.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	94-349
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 94-349 aa (Q9UIM3) 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 FK506-binding protein-like (WAF-1/CIP1 stabilizing protein 39, WISp39), corresponding to amino acids 94-349, is a high-purity fragment engineered for stability and solubility. This product is ideal for investigating p21 protein regulation and Hsp90 interactions in cellular stress response pathways. The full-length FKBPL protein, encoded by the FKBPL gene in Homo sapiens, plays a role in cellular response to X-ray exposure and regulates p21 protein stability through binding to both Hsp90 and p21. This interaction is critical for maintaining p21 levels, which influences cell cycle progression and stress response mechanisms. The provided fragment (residues 94-349) represents a stable, soluble region selected for structural and functional studies, enabling researchers to explore key molecular interactions without domain-specific constraints.