Recombinant WDR55 protein (His tag)

Catalog Number	548847
Species	Human
Expression System	E. coli
Accession	Q9H6Y2
Molecular Weight	Predictes a molecular mass of 40.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	1-353
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 1-353 aa (Q9H6Y2) 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 WD repeat-containing protein 55 (WDR55) fragment (residues 1-353) is a high-purity, stable protein designed for structural and biochemical studies. This fragment captures a soluble and functionally relevant region of WDR55, a nucleolar protein involved in modulating rRNA synthesis and organogenesis, making it an ideal tool for investigating ribosome biogenesis and developmental processes. WD repeat-containing protein 55 (WDR55) is a nucleolar protein that functions as a modulator of rRNA synthesis, playing a central role in organogenesis. It is localized primarily in the nucleus and nucleolus, with additional presence in the cytoplasm, indicating its involvement in ribosomal RNA processing and cellular development. The full-length protein's activity in rRNA regulation underscores its importance in fundamental biological processes such as cell growth and differentiation.