Recombinant WDR7 protein (His tag)

Catalog Number	551043
Synonyms	Rabconnectin-3 beta; TGF-beta resistance-associated protein TRAG
Species	Human
Expression System	E. coli
Accession	Q9Y4E6
Molecular Weight	Predictes a molecular mass of 37.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	1170-1490
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 1170-1490 aa (Q9Y4E6) 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 WDR7 (WD repeat-containing protein 7) Fragment (aa 1170-1490) - A high-quality, stable protein fragment specifically designed for structural biology and biochemical studies. This 321-amino acid fragment represents a computationally optimized region of the WDR7 protein, ensuring excellent solubility and stability for research applications. WD repeat-containing protein 7 (WDR7), also known as Rabconnectin-3 beta or TGF-beta resistance-associated protein TRAG, is encoded by the WDR7 gene in humans. While specific functional details and subcellular localization information are not provided in the available data, WDR7 belongs to the WD-repeat protein family characterized by their beta-propeller structures that facilitate protein-protein interactions. The selected fragment (amino acids 1170-1490) was computationally designed to represent a stable and soluble unit of the protein, making it particularly suitable for structural determination and functional characterization studies.