Recombinant RWDD4 protein (His tag)

Catalog Number	550133
Synonyms	Protein FAM28A
Species	Human
Expression System	E. coli
Accession	Q6NW29
Molecular Weight	Predictes a molecular mass of 14.78 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	2-116
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 2-116 aa (Q6NW29) 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 RWD domain-containing protein 4 (RWDD4) fragment (aa 2-116) is a high-purity protein designed to encompass the complete RWD domain (aa 9-111). This fragment serves as an essential tool for investigating domain-specific functions, enabling researchers to explore protein interactions and regulatory mechanisms in a targeted manner. The full-length RWD domain-containing protein 4 (also known as Protein FAM28A), encoded by the RWDD4 gene in Homo sapiens, plays roles in cellular processes through its conserved RWD domain. While detailed functional and subcellular localization data are not fully characterized, the RWD domain is typically involved in protein-protein interactions and ubiquitin-related pathways. This recombinant fragment allows focused study of the domain's contribution to the protein's biological significance, supporting research in signal transduction and molecular regulation.