Recombinant RWDD1 protein (His tag)

Catalog Number	549093
Synonyms	DRG family-regulatory protein 2
Species	Human
Expression System	E. coli
Accession	Q9H446
Molecular Weight	Predictes a molecular mass of 29.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	2-243
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 2-243 aa (Q9H446) 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 RWDD1 Protein Fragment (aa 2-243) is a high-purity, functional protein designed to encompass the complete RWD domain. This fragment serves as an essential tool for investigating the role of RWD domain-containing protein 1 in protecting DRG2 from proteolytic degradation, enabling targeted domain-specific studies in cellular and biochemical assays. The full-length RWD domain-containing protein 1, encoded by the RWDD1 gene in Homo sapiens, functions to protect DRG2 from proteolytic degradation, as supported by UniProt evidence (ECO:0000250). This protective role highlights its significance in maintaining DRG2 stability, which may be critical for cellular processes involving DRG2. The recombinant fragment (aa 2-243) includes the entire RWD domain, allowing researchers to explore the domain's specific contributions to protein protection mechanisms without interference from other regions of the full-length protein.