Recombinant RHBD3 protein (His tag)

Catalog Number	550526
Species	Human
Expression System	E. coli
Accession	Q9Y3P4
Molecular Weight	Predictes a molecular mass of 11.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	290-386
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 290-386 aa (Q9Y3P4) 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 Rhomboid domain-containing protein 3 (RHBDD3) fragment (amino acids 290-386), specifically designed to encompass the UBA functional domain (residues 324-362). This high-purity fragment serves as an essential research tool for investigating the specific molecular functions of the UBA domain in cellular processes. Rhomboid domain-containing protein 3 (RHBDD3) is a multi-pass membrane protein localized to cellular membranes, as indicated by its subcellular location annotation. While specific functional details are not fully characterized in the provided data, membrane-associated proteins containing rhomboid domains typically function in intramembrane proteolysis and protein quality control pathways. The UBA domain contained within this recombinant fragment is commonly involved in ubiquitin binding and protein-protein interactions, suggesting potential roles in ubiquitin-mediated signaling or protein degradation pathways. This fragment enables focused study of these specific domain functions without interference from other protein regions.