Recombinant HECD4 protein (His tag)

Catalog Number	546321
Synonyms	HECT domain-containing protein 4; HECT-type E3 ubiquitin transferase HECTD4
Species	Human
Expression System	E. coli
Accession	Q9Y4D8
Molecular Weight	Predictes a molecular mass of 33.06 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	303-582
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 303-582 aa (Q9Y4D8) 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	This product offers a recombinant fragment (residues 303-582) of the human Probable E3 ubiquitin-protein ligase HECTD4, a HECT domain-containing protein involved in ubiquitin transfer. The fragment is engineered for stability and solubility, making it ideal for structural studies and biochemical assays targeting ubiquitination pathways. The full-length HECTD4 protein functions as an E3 ubiquitin-protein ligase, accepting ubiquitin from E2 conjugating enzymes and directly transferring it to substrate proteins, playing a key role in the ubiquitination process that regulates various cellular pathways. It is localized to the membrane as a single-pass membrane protein, indicating potential involvement in membrane-associated signaling or degradation mechanisms. This fragment provides a focused tool for investigating the enzyme's catalytic activity and interactions without the complexities of the full membrane-bound protein.