Recombinant ABHDD protein (His tag)

Catalog Number	550421
Synonyms	Alpha/beta hydrolase domain-containing protein 13; Abhydrolase domain-containing protein 13
Species	Human
Expression System	E. coli
Accession	Q7L211
Molecular Weight	Predictes a molecular mass of 33.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	58-337
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 58-337 aa (Q7L211) 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 ABHD13 (Alpha/beta hydrolase domain-containing protein 13) fragment (residues 58-337) is a high-quality, soluble protein designed for structural and biochemical studies. This 280-amino acid fragment was computationally optimized for stability and solubility, providing an ideal tool for investigating the hydrolase activity and molecular mechanisms of ABHD13. ABHD13 is a human protein belonging to the alpha/beta hydrolase superfamily, though its specific enzymatic function (EC 3.-.-.-) remains to be fully characterized. The protein is localized to cellular membranes as a single-pass type II membrane protein, suggesting potential roles in membrane-associated processes. The selected fragment (58-337) represents a stable, soluble domain suitable for experimental applications where the full-length membrane protein presents technical challenges.