Recombinant GHDC protein (His tag)

Catalog Number	540729
Species	Human
Expression System	E. coli
Accession	Q8N2G8
Molecular Weight	Predictes a molecular mass of 55.33 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 55 kDa band.

Product Information

Sequence Region	34-530
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 34-530 aa (Q8N2G8) 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 GH3 domain-containing protein (GHDC) fragment (amino acids 34-530) from Homo sapiens, designed for structural and biochemical studies. This 497-amino acid fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating protein function and interactions in research applications. The full-length GH3 domain-containing protein, encoded by the GHDC gene in humans, is localized to the endoplasmic reticulum and nuclear envelope, as indicated by subcellular localization data. While a detailed function summary is not provided, its presence in these key cellular compartments suggests potential roles in organelle-specific processes, which may include protein trafficking, signaling, or structural support. The recombinant fragment enables focused analysis of these functional aspects in experimental settings.