Recombinant HUS1B protein (His tag)

Catalog Number	550197
Synonyms	hHUS1B
Species	Human
Expression System	E. coli
Accession	Q8NHY5
Molecular Weight	Predictes a molecular mass of 32.64 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	1-278
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 1-278 aa (Q8NHY5) 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 Checkpoint protein HUS1B (hHUS1B) fragment (amino acids 1-278) is a high-quality protein preparation designed for structural and biochemical studies. This 278-amino acid fragment was computationally selected to ensure optimal stability and solubility, making it an ideal tool for investigating HUS1B function in DNA damage response pathways. Checkpoint protein HUS1B is a human protein encoded by the HUS1B gene. While specific functional details and subcellular localization information for the full-length protein are not fully characterized in the provided data, HUS1B proteins are typically involved in cell cycle checkpoint signaling and DNA damage response mechanisms. The availability of this recombinant fragment enables researchers to explore the protein's structural features and molecular interactions that contribute to its biological role in maintaining genomic integrity.