Recombinant DNJ5B protein (His tag)

Catalog Number	550516
Synonyms	Cysteine-string protein isoform beta; CSP-beta
Species	Human
Expression System	E. coli
Accession	Q9UF47
Molecular Weight	Predictes a molecular mass of 15.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-125
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-125 aa (Q9UF47) 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 DNAJC5B (CSP-beta) Fragment (1-125) is a high-purity protein encompassing the complete J domain, designed for targeted studies of chaperone activity and protein-protein interactions. This fragment serves as an essential tool for investigating domain-specific functions in cellular processes. DNAJC5B encodes the cysteine-string protein isoform beta (CSP-beta), a member of the DnaJ/Hsp40 chaperone family. While detailed functional data is unavailable, its membrane association via lipid-anchoring and potential localization to the trans-Golgi network suggest roles in vesicular trafficking, secretory pathways, or membrane-related protein folding. The full-length protein's membrane-linked nature implies involvement in specialized cellular compartments, making this fragment valuable for dissecting J domain-mediated mechanisms in these contexts.