Recombinant HS902 protein (His tag)

Catalog Number	547304
Synonyms	Heat shock 90 kDa protein 1 alpha-like 3; Heat shock protein HSP 90-alpha A2 pseudogene; Heat shock protein family C member 2
Species	Human
Expression System	E. coli
Accession	Q14568
Molecular Weight	Predictes a molecular mass of 27.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	1-227
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-227 aa (Q14568) 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 Heat Shock Protein HSP 90-alpha A2 Fragment (residues 1-227) is a stable and soluble protein unit derived from human HSP90AA2P, designed for structural and biochemical studies. This fragment, selected through computational predictions, supports research into molecular chaperone mechanisms and protein regulation. The full-length Heat Shock Protein HSP 90-alpha A2 (HSP90AA2P) is a putative molecular chaperone that promotes the maturation, structural maintenance, and proper regulation of specific target proteins, as indicated by UniProt entry Q14568. It is localized in the cytoplasm, where it likely assists in maintaining protein homeostasis and function in cellular stress responses. This recombinant fragment enables focused investigation into these chaperone activities without the complexities of the full protein.