Recombinant HS905 protein (His tag)

Catalog Number	550367
Synonyms	Heat shock protein 90-alpha E; Heat shock protein 90Ae
Species	Human
Expression System	E. coli
Accession	Q58FG0
Molecular Weight	Predictes a molecular mass of 23.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	110-294
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 110-294 aa (Q58FG0) 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 HSP90AA5P Fragment (110-294) is a high-quality protein product derived from the putative heat shock protein HSP 90-alpha A5. This fragment has been computationally designed to offer a stable and soluble unit, ideal for structural studies and biochemical assays, enabling researchers to explore chaperone mechanisms with reliability. The full-length protein, Putative heat shock protein HSP 90-alpha A5, is a molecular chaperone that supports the maturation, structural integrity, and regulation of specific target proteins, as indicated by functional annotations. It is localized in the cytoplasm, where it likely facilitates protein folding and stability under cellular stress. This fragment, encompassing residues 110-294, provides a focused tool for investigating these chaperone activities without the complexities of the full protein, aiding in detailed mechanistic studies.