Recombinant H90B2 protein (His tag)

Catalog Number	549501
Synonyms	Heat shock protein 90-beta b; Heat shock protein 90Bb
Species	Human
Expression System	E. coli
Accession	Q58FF8
Molecular Weight	Predictes a molecular mass of 23.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	194-381
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 194-381 aa (Q58FF8) 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 Putative Heat Shock Protein HSP 90-beta 2 (HSP90AB2P) Fragment (194-381) is a stable, soluble protein unit designed for structural and biochemical studies. This fragment enables researchers to investigate the chaperone functions of HSP90AB2P in a manageable format, supporting research on protein maturation and regulation. The full-length Putative Heat Shock Protein HSP 90-beta 2 acts as a molecular chaperone, promoting the maturation, structural maintenance, and proper regulation of specific target proteins, as inferred from sequence analysis (UniProt: Q58FF8). It is localized in the cytoplasm, where it likely assists in protein folding and stability under cellular stress. This recombinant fragment (residues 194-381) was selected computationally to provide a stable and soluble region, facilitating experimental analysis of the protein's functional domains without the complexities of the full-length molecule.