Recombinant HBAP1 protein (His tag)

Catalog Number	547946
Synonyms	27 kDa heat shock protein-associated protein 1; Protein associated with small stress protein 1
Species	Human
Expression System	E. coli
Accession	Q96EW2
Molecular Weight	Predictes a molecular mass of 40.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	1-342
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 1-342 aa (Q96EW2) 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 HSPBAP1 Fragment (1-342 aa) is a high-purity protein designed for studying the JmjC domain. This fragment of HSPB1-associated protein 1 enables targeted investigation into its role in cellular stress response mechanisms, providing researchers with a precise tool for domain-specific functional assays. HSPB1-associated protein 1 (HSPBAP1) is a human protein implicated in cellular stress response pathways, as indicated by its functional annotation. The protein localizes to the cytoplasm, where it likely participates in stress-related cellular processes. The full-length protein's association with heat shock proteins suggests potential involvement in protein folding, protection, or stress adaptation mechanisms, though detailed mechanistic roles require further research. The recombinant fragment spanning residues 1-342 contains the complete JmjC domain (124-288), allowing focused study of this functionally relevant region.