Recombinant HSBPL protein (His tag)

Catalog Number	550321
Species	Human
Expression System	E. coli
Accession	C9JCN9
Molecular Weight	Predictes a molecular mass of 10.04 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	1-74
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-74 aa (C9JCN9) 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 Factor-Binding Protein 1-Like Protein 1 (HSBP1L1) fragment (residues 1-74) from Homo sapiens, designed as a stable and soluble unit for structural and biochemical studies. This high-quality protein supports research into heat shock response mechanisms and protein-protein interactions. Heat Shock Factor-Binding Protein 1-Like Protein 1 (HSBP1L1) is a human protein encoded by the HSBP1L1 gene (UniProt ID: C9JCN9). While specific functional and subcellular localization details are not fully characterized, proteins in this family are typically involved in cellular stress responses, particularly through interactions with heat shock factors that regulate gene expression under thermal or other proteotoxic stresses. The provided fragment (residues 1-74) was computationally selected to represent a stable, soluble region, facilitating experimental analysis of its structural and functional properties in vitro.