

Human HSP70 Protein

Cat. No. HSP-HE170

Description

Source	Recombinant Human HSP70 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ala2-Asp641(Glu110Asp).
Accession	PODMV8-1
Molecular Weight	The protein has a predicted MW of 72.2 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

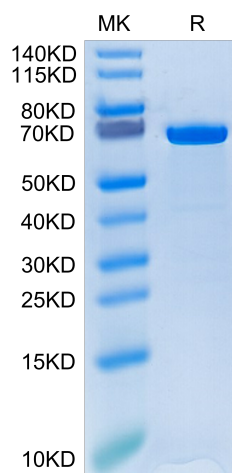
Formulation	Supplied as 0.22µm filtered solution in 25mM Tris, 100mM Glycine, 10% Glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Chaperones of the 70 kDa heat shock protein (Hsp70) superfamily are key components of the cellular proteostasis system. Together with its co-chaperones, Hsp70 forms proteostasis subsystems that antagonize protein damage during physiological and stress conditions.

Assay Data

Tris-Bis PAGE



Human HSP70 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.