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GroES Human, His

GroES (HSP10) Human Recombinant, His Tag
RCP0972

Product Overview

Name	GroES Human, His
Description	
GroES (HSP10) Human Recombinant, His Tag	
Accession (Primary)	P61604
Synonyms	
CPN10, GROES, HSP10, HSPE1, Chaperonin-10, 10 kDa heat shock protein mitochondrial, 10 kDa chaperonin, Early-pregnancy factor, EPF.	
Introduction	
HSP10 is part of the molecular chaperons, that are crucial for thir efficient folding of proteins in normal as well as stress conditions. GroES function is to bind to HSP60 in the presence of ATP, thus causing a change in the HSP60 conformation & enclosing the protein substrate within the complex. ATP hydrolysis by chaperonin-60 which destabilizes the HSP10-HSP60 complex, thereby allowing it to dissociate and secrete the substrate protein. GroES having the NCBI accession number of NP_002148 was purified by using conventional chromatography techniques.	
Source	
E. coli	
Formulation	
GroES His Human was filtered (0.4 µm) and lyophilized from 0.5 mg/ml supplied in 0.05M phosphate buffer, 0.075 M NaCl, pH 7.4.	
Stability	
Store lyophilized GroES His at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted GroES His can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS AGQAFRKFLP LFDRVLVERS AAETVTKGGI MLPEKSQGKV LQATVVAVGS GSKGKGGEIQ PVSVKVGDKV LLPEYGGTKV VLDDKDYFLF RDGDILGKYV D.	
Solubility	

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.

Precautions

GroES Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P61604)