

Datasheet for ABIN6699923
HSPE1 Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	HSPE1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPE1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	HSP10 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human HSP10 was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	HSPE1
Alternative Name:	HSPE1 (HSPE1 Products)
Background:	<p>Synonyms: CPN10, GROES, HSPE1, 10 kDa heat shock protein, mitochondrial, Hsp10, 10 kDa chaperonin, Chaperonin 10, Early-pregnancy factor</p> <p>Background: HSP10 is a 10- kDa stress-inducible mitochondrial protein which is a member of</p>

Target Details

the heat shock proteins. HSP10 is synthesized at elevated rates in cultured rat hepatoma cells challenged with heat shock or amino acid analogues. HSP10 has been implicated in multiple disease states in humans. In myocardial samples from patients with chronic atrial fibrillation, cardiomyocytes respond to chronic atrial fibrillation with increased expression of HSP10 and HSP60 (1). HSP10 is also overexpressed early in prostate carcinogenesis. HSP10 is also overexpressed in large bowel carcinomas and it may have diagnostic and prognostic significance in the management of this tumour (2). HSP10 Protein is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, Cardiovascular Disease, and Cellular Stress research.

NCBI Accession: [NM_002157](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: HSP10 Protein is suitable for use in Western Blot. Expect a band approximately ~36 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	HSP10 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months