

Datasheet for ABIN1046313

HSPE1 Protein (AA 2-102, full length) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	HSPE1
Protein Characteristics:	AA 2-102, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPE1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AGQAFRKFLP LFDRVLVERS AAETVTKGGI MLPEKSQGKV LQATVVAVGS GSKGKGGEIQ PVSVKVGDKV LLPEYGGTKV VLDDKDYFLF RDGDILGKYV D
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	HSPE1
Alternative Name:	10 kDa heat shock protein, mitochondrial protein (HSPE1 Products)
Background:	Eukaryotic CPN10 homolog which is essential for mitochondrial protein biogenesis, together with CPN60. Binds to CPN60 in the presence of Mg-ATP and suppresses the ATPase activity of

Target Details

	the latter.
Molecular Weight:	14.9 kD
UniProt:	P61604
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C



SDS-PAGE

Image 1. Heat Shock 10kDa Protein 1 (Chaperonin 10) (HSPE1) (AA 2-102), (full length) protein (His tag)