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Datasheet for ABIN1659013  
**HSPE1 Protein (AA 1-99) (His tag)**

## Overview

Quantity:	1 mg
Target:	HSPE1
Protein Characteristics:	AA 1-99
Origin:	Killifish ( <i>Oryzias latipes</i> )
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPE1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MAFRKFLPLF DRVLVERLMA ETVTKGGIML PEKSQGKVLQ ATVVAVGPGS MNQKGEVQPM SVKVGEEKVLL PQYGGTKVVL EDKDYFLFRD ADILGKYVD
Specificity:	<i>Oryzias latipes</i> (Medaka fish) (Japanese ricefish)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in <i>E. coli</i> , 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 ( <i>hspe1</i> ) ( <a href="#">HSPE1 Products</a> )

## Target Details

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Background: Recommended name: 10 kDa heat shock protein, mitochondrial.  
Short name= Hsp10.  
Alternative name(s): 10 kDa chaperonin Chaperonin 10.  
Short name= CPN10

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UniProt: [Q9W6X3](#)

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

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## Application Details

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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 modified 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.

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Concentration: 0.2-2 mg/mL

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Buffer: Tris-based buffer, 50 % glycerol

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Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.

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