Datasheet for ABIN7584762

HSP27 Protein (AA 1-206) (His tag)

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Overview

Quantity:	100 µg
Target:	HSP27 (HSPB1)
Protein Characteristics:	AA 1-206
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSP27 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MTERRVPFSL LRSPSWEPFR DWYPAHSRLF DQAFGVPRFP DEWSQWFSSA GWPGYVRPLP AATAEGPAAV TLARPAFSRA LNRQLSSGVS EIRQTADRWR VSLDVNHFAP EELTVKTKEG VVEITGKHEE RQDEHGYISR CFTRKYTLPP GVDPTLVSSS LSPEGTLTVE APLPKAVTQS AEITIPVTFE ARAQIGGPES EQSGAK
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	HSP27 (HSPB1)

Target Details

Alternative Name:	Heat shock protein beta-1 (Hspb1) (HSPB1 Products)
Background:	Recommended name: Heat shock protein beta-1. Short name= HspB1. Alternative name(s): Heat shock 27 kDa protein. Short name= HSP 27
UniProt:	P42930
Pathways:	MAPK Signaling, Regulation of Actin Filament Polymerization, Signaling Events mediated by VEGFR1 and VEGFR2, Negative Regulation of intrinsic apoptotic Signaling, VEGF Signaling

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 modificated 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.