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Datasheet for ABIN1642773
PUS10 Protein (AA 1-388) (His tag)

Overview

Quantity:	1 mg
Target:	PUS10
Protein Characteristics:	AA 1-388
Origin:	Pyrococcus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PUS10 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MILEKAREIL EEHQLCNHCL GRLFGKLGKG TNEERGRAIR LLLSMETGKE YKEPEKCELC GGVFNNLDKF AELCIKAAEG IEFETFWVGS RFPEEIEKKE EEIWRKFRVV SGEKITKEFN RELGKVI AVR YGKTPVKERP DVVFIVEPFS EKVELQVNPI YVAGRYRCLI RGIPQTPAPG FKESIATIIC RAFKKHFHGK CIFKGAGRED VDVRMLGN GR PFVVEIKRPR KRKVNLDKIE EEINQSGKVE VLNLRFITPE EAERILTTRH RKYVEAIVYV KDGITKEEVE KVKSLKNAE IKQRTPRRVL NSRADLVRVR KVYDVKGELI DDKHFKLRLV TDGGLYIKEL ISGDRGRTPP SVSEILGKEA WCEILDVLEV LDDVEGDN
Specificity:	Pyrococcus furiosus (strain ATCC 43587 / DSM 3638 / JCM 8422 / Vc1)
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:	PUS10
Alternative Name:	tRNA pseudouridine synthase Pus10 (pus10) (PUS10 Products)
Background:	Recommended name: tRNA pseudouridine synthase Pus10. EC= 5.4.99.-. Alternative name(s): tRNA pseudouridine 54/55 synthase. Short name= Psi54/55 synthase
UniProt:	Q8U1R6

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 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.
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.