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## Datasheet for ABIN1660482 MYLK2 Protein (AA 2-610) (His tag)

### Overview

Quantity:	1 mg
Target:	MYLK2
Protein Characteristics:	AA 2-610
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYLK2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>ATENGAVEL GTQSLSTDHP PTDAAGDGSP ASEKEPSLPD TEKDLGPTNT KKDPGAPDPK</p> <p>KNPDPPSLKK TPEAPGPEKK GDSAPASASN QGPSGEGDGG GGPAEGGTGP PAVLPQPTAT</p> <p>ADASIQLDA TQAPSGNQES GEAKAGKKAA ECREAGRRGS PAFLHSPSCP AIISCSEKTL</p> <p>AMKPLSETTE LIFAGVSETP DPQDPGPAKD EGGTNTLADG KEEAEAGQAE QAKVQGDTSQ</p> <p>RIGFQAVPSE RAEVGQALCL TAKEEDCFQI LDDCPPPPAP FPHRIVELRT GNVSSEFSMN</p> <p>SKEALGGGKF GAVCTCTERS TGLKLAACKVI KKQTPKDKEM VLLIEIVMNQ LNHRNLIQLY</p> <p>SAIETSHEII LFMEYIEGGE LFERIVDEDY QLTEVDTMVF VRQICDGILF MHKMRVLHLD</p> <p>LKPENILCVN TTGHLVKIID FGLARRYNPV EKLKVNFGTP EFLSPEVVNY DQISDKTDMW</p> <p>SLGVITYMLL SGLSPFLGDD DTETLNNVLS ANWYFDEETF EAVSDEAKDF VSNLITKDQS</p> <p>ARMSAEQCLA HPWLNNLAEK AKRCNRRLKS QILLKKYLMK RRWKKNFIAV SAANRFKKIS</p> <p>SSGALMALGV</p>
Specificity:	Rattus norvegicus (Rat)

## Product Details

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.
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Purity:	> 90 %
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## Target Details

Target:	MYLK2
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Alternative Name:	Myosin light chain kinase 2, skeletal/cardiac muscle (Mylk2) ( <a href="#">MYLK2 Products</a> )
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Background:	Recommended name: Myosin light chain kinase 2, skeletal/cardiac muscle. Short name= MLCK2. EC= 2.7.11.18
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UniProt:	<a href="#">P20689</a>
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Pathways:	<a href="#">Myometrial Relaxation and Contraction, Regulation of Muscle Cell Differentiation</a>
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## 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.
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Restrictions:	For Research Use only
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## Handling

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
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## Handling

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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.