

Datasheet for ABIN7550766
PKMYT1 Protein (AA 1-499) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PKMYT1
Protein Characteristics:	AA 1-499
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKMYT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PKMYT1 Protein expressed in mammalian cells.
Sequence:	<p>MLERPPALAM PMPTEGTPPP LSGTPIPVPA YFRHAEPGFS LKRPRGLSRS LPPPPPAKGS</p> <p>IPISRLFPPR TPGWHQLQPR RVSFRGEASE TLQSPGYDPS RPESFFQSQF QRLSRLGHGS</p> <p>YGEVFKVRSK EDGRLYAVKR SMSFPRGPKD RARKLAEVGS HEKVGQHPCC VRLEQAWEEG</p> <p>GILYLQTELC GPSLQQHCEA WGASLPEAQV WGYLRDTLLA LAHLHSQGLV HLDVKPANIF</p> <p>LGPRGRCKLG DFGLLVELGT AGAGEVQEGD PRYMAPELLQ GSYGTAADV FSLGLTILEVA</p> <p>CNMELPHGGE GWQQLRQGYL PPEFTAGLSS ELRSVLVMMML EPDPKLRATA EALLALPVL R</p> <p>QPRAWGVLWC MAAEALSRGW ALWQALLALL CWLWHGLAHP ASWLQPLGPP ATPPGSPPCS</p> <p>LLLDSSLSSN WDDDSLGP SL SPEAVLARTV GSTSTPRSRC TPRDALD LSD INSEPGRGSF</p> <p>PSFEPRNLLS LFEDTLDPT Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis).
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This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PKMYT1
Alternative Name:	PKMYT1 (PKMYT1 Products)
Background:	<p>Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase (EC 2.7.11.1) (Myt1 kinase),FUNCTION: Acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins (PubMed:9268380, PubMed:9001210, PubMed:10504341, PubMed:10373560). Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation (PubMed:9268380, PubMed:9001210). May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect (PubMed:9268380, PubMed:9001210). {ECO:0000269 PubMed:10373560, ECO:0000269 PubMed:10504341, ECO:0000269 PubMed:9001210, ECO:0000269 PubMed:9268380}.</p>
Molecular Weight:	54.5 kDa
UniProt:	Q99640

Target Details

Pathways: [Mitotic G1-G1/S Phases, M Phase](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months