

Product datasheet for PH301656

PDK4 (NM_002612) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDK4 MS Standard C13 and N15-labeled recombinant protein (NP_002603)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201656
Predicted MW:	46.5 kDa
Protein Sequence:	>RC201656 protein sequence Red=Cloning site Green=Tags(s)

MKAARFVLR SAGSLNGAGLVPREVEHFSRYSPSPLSMKQLLDGSENACERTSFAFLRQELPVR LANILK
EIDILPTQLVNTSSVQLVKS WYIQSLMDLVEFHEKSPDDQKALSD FVDTLIKVRNRHNVVPTMAQGIIE
YKDACTVDPVTNQNLQYFLDRFYMNRISTRMLMNQHILIFSDSQTGNPSHIGSIDPNC DVAVVQDAFEC
SRMLCDQYYLSSPELKLTVNGKFPDQPIHIVVYVPSHLHHMLFELFKNAMRATVEHQENQPSLTPIEVIV
VLGKEDLTIKISDRGGVPLRIIDRLFSYTYSTAPTPVMDNSRNAPLAGFGYGLPISRLYAKYFQGDNLN
YLSG YGTD AIIYLKALSSIESIEKLPVFNKSAFKHYQMSSEADDWCIPSREPKNLAKEVAM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002603</u>
RefSeq Size:	3710
RefSeq ORF:	1233
Locus ID:	5166
UniProt ID:	<u>Q16654, A4D1H4</u>



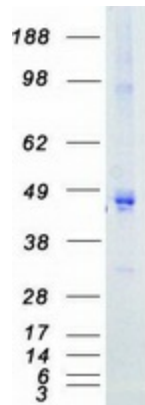
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Cytogenetics: 7q21.3

Summary: This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified PDK4 protein (Cat# [TP301656]). The protein was produced from HEK293T cells transfected with PDK4 cDNA clone (Cat# [RC201656]) using MegaTran 2.0 (Cat# [TT210002]).