

Product datasheet for PH300189

SIRT5 (NM_012241) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SIRT5 MS Standard C13 and N15-labeled recombinant protein (NP_036373)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200189
Predicted MW:	33.9 kDa
Protein Sequence:	>RC200189 protein sequence Red=Cloning site Green=Tags(s) MRPLQIVPSRLISQLYCGLKPPASTRNQICLKMARPSSSMADFRKFFAKAKHIVIISGAGVSAESGVPTF RGAGGYWRKWQAQDLATPLAFAHNPSRVWFYHYRREVMGSKEPNAGHRAIAECETRLGKQGRVVITQ NIDELHRKAGTKNLEIHGSLFKTRCTSCGVVAENYKSPICPALSGKGAPEPGTQDASIPVEKLPRCEEA GCGGLLRPHVVWFGENLDPAILLEEVDRELAHCDLCLVVGTSVVVPAAMFAPQVAARGVPVAEFNTETTP ATNRRFRHFQGPCGTTLPEALACHENETVS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_036373</u>
RefSeq Size:	4538
RefSeq ORF:	930
Synonyms:	SIR2L5
Locus ID:	23408



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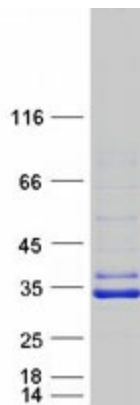
UniProt ID: [Q9NXA8](#), [A0A024R012](#)

Cytogenetics: 6p23

Summary: This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2010]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified SIRT5 protein (Cat# [TP300189]). The protein was produced from HEK293T cells transfected with SIRT5 cDNA clone (Cat# [RC200189]) using MegaTran 2.0 (Cat# [TT210002]).