

Product datasheet for PH314307

SMYD2 (NM_020197) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SMYD2 MS Standard C13 and N15-labeled recombinant protein (NP_064582)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214307
Predicted MW:	49.5 kDa
Protein Sequence:	>RC214307 representing NM_020197 Red=Cloning site Green=Tags(s)

MRAEGLGGLERFCSPGKGRGLRALQPFQVGDLLFSCPAYAYVLTVNERGNHCEYCFTRKEGLSKCGRCKQ
AFYCNVECQKEDWPMHKLECSMPVVFGENWNPSETVRLTARILAKQKIHPERTPSEKLLAVKEFESHLDK
LDNEKKDLIQSDIAALHHFYSKHLEFPDNDLVVLFQVNCNGFTIEDEELSHLGSALFPDVALMNHSCC
PNVIVTYKGTLAEVRAVQEIKPGEEVFYSYIDLLYPTEDRNDRLRDSYFFTCECQECTTKDKKAKVEIR
KLSDDPPKAEAIRDMVRYARNVIEEFRRAKHYKSPSELLEICELSQEKMSSVFEDSNVYMLHMMYQAMGVC
LYMQDWEGALQYGQKIIPYSKHYPYLSLNVASMWLKLGRLYMGLEHKAAGEKALKKAIIMEVAHGKDH
PYISEIKQEIESH

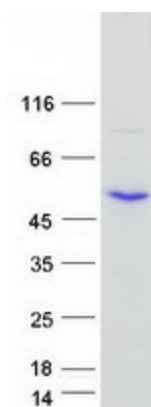
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_064582</u>
RefSeq Size:	1694
RefSeq ORF:	1299
Synonyms:	HSKM-B; KMT3C; ZMYND14



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Locus ID:	56950
UniProt ID:	Q9NRG4
Cytogenetics:	1q32.3
Summary:	SET domain-containing proteins, such as SMYD2, catalyze lysine methylation (Brown et al., 2006 [PubMed 16805913]).[supplied by OMIM, Nov 2008]
Protein Families:	Druggable Genome

Product images:

Coomassie blue staining of purified SMYD2 protein (Cat# [TP314307]). The protein was produced from HEK293T cells transfected with SMYD2 cDNA clone (Cat# [RC214307]) using MegaTran 2.0 (Cat# [TT210002]).