

Product datasheet for PH314566

SETD3 (NM_032233) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SETD3 MS Standard C13 and N15-labeled recombinant protein (NP_115609)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214566
Predicted MW:	67.1 kDa
Protein Sequence:	>RC214566 representing NM_032233 Red=Cloning site Green=Tags(s)

MGKKSRYKTQKSGTGATATVSPKEILNLTSELLQKCSSPAPGPGKEWEEYVQIRTLVEKIRKKQKGLSVT
FDGKREDYFPDLMKWAENGASVEGFEMVNFKEEGFGLRATRDIKAEELFLWVPRKLLMTVESAKNSVLG
PLYSQDRILQAMGNIALAFHLLCERASPNFWQPYIQTLPSEYDTPLYFEEDEVRYLQSTQAIHDFVSQY
KNTARQYAYFYKVIQTHPHANKLPLKDSFTYEDYRWAVSSVMTRQNQIPTEDGSRVTLAL IPLWDMCNHT
NGLITTGYNLEDDRCEVALQDFRAGEQIYIFYGTRSNAEFVIHSGFFDNNSHDRVKIKLGVSKSDRLY
AMKAEVLARAGIPTSSVFALHFTTEPPISAQLLAFLRVFCMTEELKEHLLGDSAIDRIFTLGNSEFPVSW
DNEVKLWTFLEDRASLLKTYKTTIEEDKSVLKNHDL SVRAKMAIKLRLGEKEILEKAVKSAAVNREYYR
QQMEEKAPLPKYEESNLGLLESSVGDSRLPLVLRNLEEEAGVQDALNIREAISKAKATENGLVNGENSIP
NGTRSENESLNQESKRAVEDAKGSSSDSTAGVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

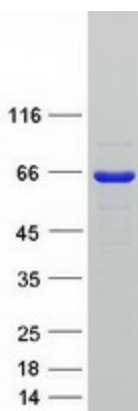
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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:	NP_115609
RefSeq Size:	2905
RefSeq ORF:	1782



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Synonyms:	C14orf154; hSETD3
Locus ID:	84193
UniProt ID:	Q86TU7 , A0A024R6K3
Cytogenetics:	14q32.2
Summary:	Protein-histidine N-methyltransferase that specifically mediates methylation of actin at 'His-73' (PubMed:30526847, PubMed:30626964, PubMed:30785395). Histidine methylation of actin is required for smooth muscle contraction of the laboring uterus during delivery (PubMed:30626964). Does not have protein-lysine N-methyltransferase activity and probably only catalyzes histidine methylation of actin (PubMed:30626964, PubMed:30785395). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified SETD3 protein (Cat# [TP314566]). The protein was produced from HEK293T cells transfected with SETD3 cDNA clone (Cat# [RC214566]) using MegaTran 2.0 (Cat# [TT210002]).