

## Product datasheet for PH305607

### SAP18 (NM\_005870) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SAP18 MS Standard C13 and N15-labeled recombinant protein (NP_005861)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205607
Predicted MW:	17.6 kDa
Protein Sequence:	>RC205607 protein sequence Red=Cloning site Green=Tags(s)  MAVESRVTQEEIKKEPEKPIDREKTCPLLLRVFTTNNGRHHRMDEF SRGNVPSSSELQIYTWMDATLKELT SLVKEVYPEARKKGTHFNFAIVFTDVKRPGYRVKEIGSTMSGRKGTDDSM TLQSQKFQIGDYLDIAITPP NRAPPTSGRMRPY  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_005861</a>
RefSeq Size:	2318
RefSeq ORF:	459
Synonyms:	2HOR0202; SAP18P
Locus ID:	10284
UniProt ID:	<a href="#">O00422</a>



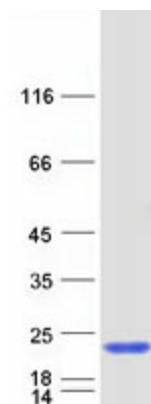
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**Cytogenetics:** 13q12.11

**Summary:** Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter. A pseudogene has been identified on chromosome 2. [provided by RefSeq, Dec 2008]

**Protein Families:** Druggable Genome, Transcription Factors

**Product images:**



Coomassie blue staining of purified SAP18 protein (Cat# [TP305607]). The protein was produced from HEK293T cells transfected with SAP18 cDNA clone (Cat# [RC205607]) using MegaTran 2.0 (Cat# [TT210002]).