

Product datasheet for PH303879

S100A16 (NM_080388) Human Mass Spec Standard

Product data:

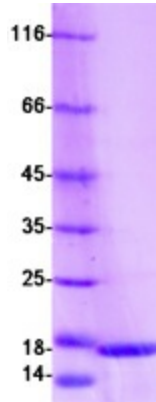
Product Type:	Mass Spec Standards
Description:	S100A16 MS Standard C13 and N15-labeled recombinant protein (NP_525127)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203879
Predicted MW:	11.6 kDa
Protein Sequence:	>RC203879 representing NM_080388 Red=Cloning site Green=Tags(s) MSDCYTELEKAVIVLVENFYKYVSKYSLVKNKISKSSFREMLQKELNHMLSDTGNRKAADKLIQNLDANH DGRISFDEYWTLIGGITGPIAKLIHEQEQSSS 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_525127
RefSeq Size:	1085
RefSeq ORF:	309
Synonyms:	AAG13; DT1P1A7; S100F
Locus ID:	140576
UniProt ID:	Q96FQ6
Cytogenetics:	1q21.3



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Summary:

Calcium-binding protein. Binds one calcium ion per monomer (PubMed:17030513). Can promote differentiation of adipocytes (in vitro) (By similarity). Overexpression in preadipocytes increases their proliferation, enhances adipogenesis and reduces insulin-stimulated glucose uptake (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

Coomassie blue staining of purified S100A16 protein (Cat# [TP303879]). The protein was produced from HEK293T cells transfected with S100A16 cDNA clone (Cat# [RC203879]) using MegaTran 2.0 (Cat# [TT210002]).