

Product datasheet for PH301104

AP3S2 (NM_005829) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AP3S2 MS Standard C13 and N15-labeled recombinant protein (NP_005820)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201104
Predicted MW:	22 kDa
Protein Sequence:	>RC201104 protein sequence Red=Cloning site Green=Tags(s) MIQAILVFNNHGKPRLVRFYQRFPEEIQQIVRETFFHLVLKRDDNICNFLEGGSLIGGSDDYKLIYRHYAT LYFVFCVDSSESELGILDLIQVFVETLDKCFENVCELDLIFHMDKVHYILQEVMGGMVLETNMNEIVAQ IEAQRLEKSEGLSAAPARAVSAVKININLPEIPRNINIGDLNIKVPNLSQFV 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_005820
RefSeq Size:	5934
RefSeq ORF:	579
Synonyms:	AP3S3; sigma3b
Locus ID:	10239
UniProt ID:	P59780 , A0A024RC62



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Cytogenetics: 15q26.1

Summary: Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals.
[UniProtKB/Swiss-Prot Function]

Protein Pathways: Lysosome

Product images:



Coomassie blue staining of purified AP3S2 protein (Cat# [TP301104]). The protein was produced from HEK293T cells transfected with AP3S2 cDNA clone (Cat# [RC201104]) using MegaTran 2.0 (Cat# [TT210002]).