Product datasheet for PH300977

SF3B5 (NM_031287) Human Mass Spec Standard

Product data:

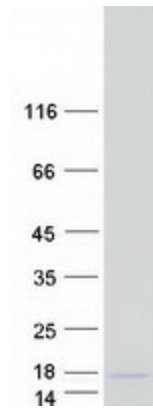|	
Product Type:	Mass Spec Standards
Description:	SF3B5 MS Standard C13 and N15-labeled recombinant protein (NP_112577)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200977
Predicted MW:	10.1 kDa
Protein Sequence:	>RC200977 protein sequence Red=Cloning site Green=Tags(s) MTDRYTIHSQLEHLQSKYIGTGHADTTKWEWLVNQHRDSYCSYMGHFDLLNYFAIAENESKARVRFNLME KMLQPCGPPADKPEEN 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_112577
RefSeq Size:	786
RefSeq ORF:	258
Synonyms:	SF3b10; Ysf3
Locus ID:	83443
UniProt ID:	Q9BWJ5
Cytogenetics:	6q24.2

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Summary: Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex, a constituent of the spliceosome (PubMed:27720643, PubMed:28781166). SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937).[UniProtKB/Swiss-Prot Function]

Protein Pathways: Spliceosome

Product images:

Coomassie blue staining of purified SF3B5 protein (Cat# [TP300977]). The protein was produced from HEK293T cells transfected with SF3B5 cDNA clone (Cat# [RC200977]) using MegaTran 2.0 (Cat# [TT210002]).