

Product datasheet for PH314440

CTDSPL (NM_005808) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CTDSPL MS Standard C13 and N15-labeled recombinant protein (NP_005799)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214440
Predicted MW:	29.8 kDa
Protein Sequence:	>RC214440 representing NM_005808 Red=Cloning site Green=Tags(s)
	MDGPAIITQVTNPKEDGRLPGAGEKASQC�VSLKKQRSRSILSSFFCCFRDYNVEAPPPSSPSVLPLV EENGGLQKPPAKYLLPEVTVLDYGKKCVVIDLDETLVHSSFKPISNADFIVPVEIDGTIHQVYVVKRPHV DEFLQRMGQLFECVLFTASLAKYADPVADLLDRWGVFRARLFRESCVFHRGNVVKDLSRLGRELSKVIIIV DNSPASYIFHPENAVPVQSWFDDMTDELLDLIPFFEGLSREDDVYSMLHRLCNR
	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_005799
RefSeq Size:	4422
RefSeq ORF:	795
Synonyms:	C3orf8; HYA22; PSR1; RBSP3; SCP3
Locus ID:	10217
UniProt ID:	O15194



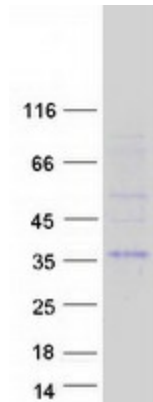
[View online »](#)

Cytogenetics: 3p22.2

Summary: Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells (By similarity). Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the transition from initiation/capping to processive transcript elongation.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified CTDSPL protein (Cat# [TP314440]). The protein was produced from HEK293T cells transfected with CTDSPL cDNA clone (Cat# [RC214440]) using MegaTran 2.0 (Cat# [TT210002]).