

## Product datasheet for **AR50233PU-S**

### CTDSPL (82-265, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CTDSPL (82-265, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMKYLLP ETVLDYGGK CVIDLDEL VHSSFKPISN ADFIVPEID GTIHQVYVLK RPHVDEFLQR MGQLFECVLF TASLAKYADP VADLLDRWGV FRARLFRESC VFHRGNVVKD LSRLGRELSK VIIVDNSPAS YIFHPENAVP VQSWFDDMTD TELLDLIPFF EGLSREDDVY SMLHRLCNR
Tag:	His-tag
Predicted MW:	23.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CTDSPL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001008393</a>
Locus ID:	10217
UniProt ID:	<a href="#">O15194</a>
Cytogenetics:	3p22.2
Synonyms:	C3orf8; HYA22; PSR1; RBSP3; SCP3



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**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