

Product datasheet for **AR50233PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	CTDSPL (82-265, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMKYLLP EVTVLVDYGGK CVIDLDETL VHSSFKPISN ADFIVPVEID 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:	NP_001008393
Locus ID:	10217
UniProt ID:	O15194
Cytogenetics:	3p22.2
Synonyms:	C3orf8; HYA22; PSR1; RBSP3; SCP3



[View online »](#)

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