

Product datasheet for PH307481

C20orf77 (RPRD1B) (NM_021215) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPRD1B MS Standard C13 and N15-labeled recombinant protein (NP_067038)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207481
Predicted MW:	36.9 kDa
Protein Sequence:	>RC207481 protein sequence Red=Cloning site Green=Tags(s) MSSFSESALEKKLSELSNSQHSVQTL SLWL IHHRKHAGPIVSVWHREL RKAK SNRKL TFL YLANDVIQNS KRKGPEFTREFESVLVDAF SHVARE AD E GCKKPLERLLNIWQERSVYGGEFIQQLKLSMEDSKSPPPKAT EEKKSLKRTFQQIQEEEDDDYPGSYSPQDPSAGPLLTEELIKALQDLENAASGDATVRQKIASLPQEVQD VSLLEKITDKEAAERLSKTVDEACLLLAEYNGRLAAELED RRQL ARMLVEYTQ NQ KDVLSEKEKKLEEYK QKLARVTQVRKELKSHIQSLPDL SLL PNVTGGLA PL PSAGDLFSTD 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_067038
RefSeq Size:	3895
RefSeq ORF:	978
Synonyms:	C20orf77; CREPT; dj1057B20.2; K-H; Kub5-Hera; NET60
Locus ID:	58490



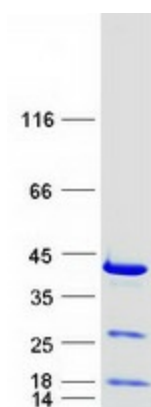
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UniProt ID: [Q9NQG5](#)

Cytogenetics: 20q11.23

Summary: Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD by RPAP2. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCND1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RPRD1B protein (Cat# [TP307481]). The protein was produced from HEK293T cells transfected with RPRD1B cDNA clone (Cat# [RC207481]) using MegaTran 2.0 (Cat# [TT210002]).