

## Product datasheet for PH312551

### P15RS (RPRD1A) (NM\_018170) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RPRD1A MS Standard C13 and N15-labeled recombinant protein (NP_060640)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212551
Predicted MW:	35.5 kDa
Protein Sequence:	>RC212551 representing NM_018170 Red=Cloning site Green=Tags(s)  MSAFSEAALEKKLSELSNSQQSVQTL <del>SLWL</del> IHHRKHSRPIVTVWERELRKAKPNRKL <del>TFLY</del> LANDVIQNS KRRGPEFTKDFAPVIVEAFKHVSSETDE <del>SC</del> KKHLGRVLSIWEERSVYENDVLEQLKQALYGD <del>KK</del> PRKRTY EQIKVDENENCSSLGSPSEPPQTL <del>DL</del> VRALQDLENAASGDAAVHQRIASLPVEVQEVSL <del>LDK</del> ITDKESGE RLSKMVEDACMLLADYNGRLAAEID <del>DR</del> QQLTRMLADFLRCQKEALAEKEHKLEEYKRKLARVSLVRKELR SRIQSLPDL <del>SRL</del> PNVTGSHMHL <del>PF</del> AGDIYSED  TRTRPLE <del>Q</del> KLISEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_060640</a>
RefSeq Size:	4284
RefSeq ORF:	936
Synonyms:	HsT3101; P15RS
Locus ID:	55197



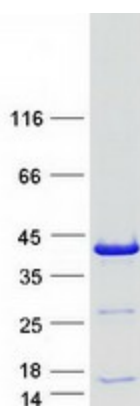
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UniProt ID: [Q96P16](#), [A0A024RC37](#)

Cytogenetics: 18q12.2

**Summary:** This gene encodes a cell-cycle and transcription regulatory protein. The encoded protein interacts with the cell cycle inhibitor cyclin-dependent kinase 4 inhibitor B and may function as a negative regulator of G(1)/S phase progression. This protein also forms homo- and heterodimers with the protein, regulation of nuclear pre-mRNA domain-containing protein 1B, to form a scaffold that interacts with the C-terminal domain of RNA polymerase II subunit B1 and regulates several aspects of transcription. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 16. [provided by RefSeq, Dec 2014]

### Product images:



Coomassie blue staining of purified RPRD1A protein (Cat# [TP312551]). The protein was produced from HEK293T cells transfected with RPRD1A cDNA clone (Cat# [RC212551]) using MegaTran 2.0 (Cat# [TT210002]).