

## Product datasheet for PH312645

### RFFL (NM\_057178) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RFFL MS Standard C13 and N15-labeled recombinant protein (NP_476519)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212645
Predicted MW:	40.3 kDa
Protein Sequence:	>RC212645 representing NM_057178 Red=Cloning site Green=Tags(s)  MWATCCNWFCLDGQPEEVPPPQGARMQAYSNPGYSSFPSPTGLEPSCCKSCGAHFANTARKQTCLDCKKNF CMTCSSQVGNPRLCLLCQFRATAFQREELMKMKVKDLRDYLSLHDISTEMCREKEELVLLVVGQQPVI SQEDRTRASTLSPDFPEQQAFLTQPHSSMVPPTSPNLPSSSAQATSVPPAQVQENQQANGHVSQDQEEPV YLESVARVPAEDETQSIDSEDSFVPGRRASLSDLTDLEDIEGLTVRQLKEILARNFVNYKGCCEKWELME RVTRLKYDQKGLQHLVSGAEDQNGGAVPSGLEENLCKICMDSPIDCVLLECGHVMVCTKCGKRMNECPIC RQYVIRAVHVFRS  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_476519</a>
RefSeq Size:	4143
RefSeq ORF:	1089
Synonyms:	CARP2; fring; FYVE-RING finger protein SAKURA; RIFIFYLIN; ring finger and FYVE-like domain containing 1; RNF34L; RNF189



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Locus ID: 117584

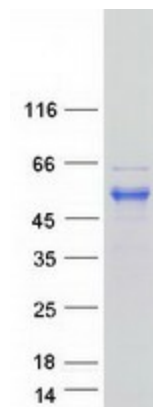
UniProt ID: [Q8WZ73](#)

Cytogenetics: 17q12

**Summary:** E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Mediates 'Lys-48'-linked polyubiquitination of PRR5L and its subsequent proteasomal degradation thereby indirectly regulating cell migration through the mTORC2 complex. Ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate cell death downstream of death domain receptors in the extrinsic pathway of apoptosis. Negatively regulates the tumor necrosis factor-mediated signaling pathway through targeting of RIPK1 to ubiquitin-mediated proteasomal degradation. Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation. Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN. May also play a role in endocytic recycling.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RFFL protein (Cat# [TP312645]). The protein was produced from HEK293T cells transfected with RFFL cDNA clone (Cat# [RC212645]) using MegaTran 2.0 (Cat# [TT210002]).