

Product datasheet for PH301700

RAD18 (NM_020165) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAD18 MS Standard C13 and N15-labeled recombinant protein (NP_064550)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201700
Predicted MW:	56.2 kDa
Protein Sequence:	>RC201700 protein sequence Red=Cloning site Green=Tags(s)

MDSLAESRWPPGLAVMKTIDLLRCGICFEYFNIAMIIPQCSHNYCSLCIRKFLSYKTQCPTCCVTVTEP
DLKNNRILDELVKSLNFARNHLLQFALESPAASPASSSSKNLAVKYVYTPVASRQSLKQGSRLMDNFLIRE
MSGSTSELLIKENKSKFSPQKEASPAAKTKETRSVEEIPDPSEAKRPEPPSTSTLKQVTKVDCPVCVGN
IPESHINKHLDSCLSREEKESLRSSVHKRPLPKTVYNLLSDRDLKKKLKEHGLSIQGNKQQLIKRHQE
FVHMNAQCDALHPKSAAEIVQEIENIEKTRMRLEASKLNE SVMVFTKDQTEKEIDEIHSKYRKKHKHSEF
QLLVDQARKGYKKIAGMSQKTVTITKEDESTKLSVCMGQEDNMTSVTNHFSQSKLDSPEELEDREED
SSSCIDIQEVLSSESDESCNSSSDIIRDLEEEEAWEASHKNDLQDTEISPRQNRRTAAESAEIEPRN
KRNRN

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- 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_064550
RefSeq Size:	5739
RefSeq ORF:	1485



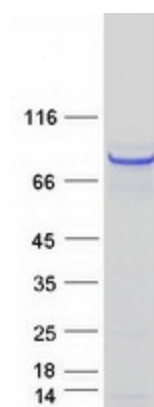
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Synonyms: RNF73
Locus ID: 56852
UniProt ID: [Q9NS91](#)
Cytogenetics: 3p25.3

Summary: The protein encoded by this gene is highly similar to *S. cerevisiae* DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RAD18 protein (Cat# [TP301700]). The protein was produced from HEK293T cells transfected with RAD18 cDNA clone (Cat# [RC201700]) using MegaTran 2.0 (Cat# [TT210002]).