

Product datasheet for PH327119

RAD54 (RAD54L) (NM_001142548) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | RAD54L MS Standard C13 and N15-labeled recombinant protein (NP_001136020) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC227119 |
| Predicted MW: | 84.4 kDa |
| Protein Sequence: | >RC227119 protein sequence Red=Cloning site Green=Tags(s) |

MRRSLAPSQLAKRKPEGRSCDDEWQPGLVTPRKRKSSSETQIQECFLSPFRKPLSQLTNQPPCLDSSQH
EAFIRSILSKPFKVPVIPNYQGGLGSRALGLKRAGVRRALHDPLEKDALVLYEPPPLSAHQKLDKEKLP
VHVVDPIILSKVLRPHQREGVKFLWECVTSRRIPGSHGCIMADEMGLGKTLQCITLMWTLRQSPCKPE
IDKAVVSPSSLVKNWYNEVGKWLGGRIQPLAIDGGSKDEIDQKLEGFMNQRGARVSSPILIIISYETFRL
HVGVLQKGSVGLVICDEGHRLKNSNQTYQALDSLNTSRRVLSIGTPIQNDLLEYFSLVHFVNSGILGTA
HEFKKHFELPILKGRDAAASEADRQLGEERLRELTIVNRCLIRRTSDILSKYLPVKIEQVVCCRLTPLQ
TELYKRFLRQAKPAEELLEKMSVSSLSSITSLKLCNHPALIYDKCVEEEDGFVGDLDLFPFGYSSKAL
EPQLSGKMLVLDYILAVTRSRSSDKVVLVSNTQTLDLFEKLCRARRYL VVRLDGTMSIKKRAKVVERFN
SPSSPDFVFMSSKAGGCGNLIGANRLVMFDPDWNPANDEQAMARVWRDQKKTICYIRLLSAGTIEEK
IFQRQSHKKALSSCVDEEQDVERHFSLGEKELFILDEASLSDTHDRLHCRRCVNSRQIRPPDGSDC
SDLAGWNHCTDKWGLRDEVLQAAWDAASTAITVFVHQRSHHEEQRLR

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_001136020 |



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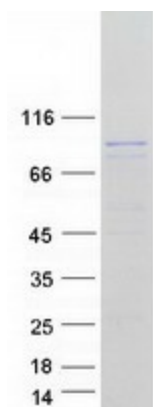
| | |
|---------------|---|
| RefSeq Size: | 2567 |
| RefSeq ORF: | 2241 |
| Synonyms: | hHR54; HR54; hRAD54; RAD54A |
| Locus ID: | 8438 |
| UniProt ID: | Q92698 , A8K996 |
| Cytogenetics: | 1p34.1 |

Summary: The protein encoded by this gene belongs to the DEAD-like helicase superfamily, and shares similarity with *Saccharomyces cerevisiae* Rad54, a protein known to be involved in the homologous recombination and repair of DNA. This protein has been shown to play a role in homologous recombination related repair of DNA double-strand breaks. The binding of this protein to double-strand DNA induces a DNA topological change, which is thought to facilitate homologous DNA paring, and stimulate DNA recombination. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Dec 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Homologous recombination

Product images:



Coomassie blue staining of purified RAD54L protein (Cat# [TP327119]). The protein was produced from HEK293T cells transfected with RAD54L cDNA clone (Cat# [RC227119]) using MegaTran 2.0 (Cat# [TT210002]).