

Product datasheet for PH300427

RECQ1 (RECQL) (NM_032941) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RECQL MS Standard C13 and N15-labeled recombinant protein (NP_116559)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200427
Predicted MW:	73.5 kDa
Protein Sequence:	>RC200427 protein sequence Red=Cloning site Green=Tags(s)

MASVSALTEELDSITSELHAVEIQIQELTERQQELIQKKVLTKKIKQCLESDAGASNEYDSSPAAWNK
EDFPWSGKVKDILQNVFKLEKFRPLQLETINVTMAGKEVFLVMPTGGGKSLCYQLPALCSDGFTLVICPL
ISLMEDQLMVLKQLGISATMLNASSSKEHVKWHAEVMVKNSELKLIYVTPEKIAKSKMFMSRLEKAYEA
RRFTRIAVDEVHCCSQWGHDFRPDYKALGILKRQFPNASLIGLTATATNHVLTDAQKILCIEKCFTFTAS
FNRPNLYEVRQKPSNTEDFIEDIVKLINGRYKGGSGIICYFSQKDSEQVTVSLQNLGIHAGAYHANLEP
EDKTTVHRKWSANEIQVVVATVAFGMGIDKPDVRFVIHHSMSKSMENYYQESGRAGRDDMKADCILYYGF
GDIFRISSMVMENVGQKLYEMVSYCQNI SKCRRV LMAQHFDEVWNSEACNKMCDNCKDSAFERKNIT
EYCRDLIKILKQAEELNEKL TPLK LIDSWMGGA AKLRVAGVVAPTL PREDLEKIIAHFLIQQYLKEDYS
FTAYATISYLKIGPKANLLNNEAHAITMQVTKSTQNSFRAESSQTCHEQGDKKMEKNSGNFQKKAANM
LQQSGSKNTGAKKRKIDDA

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_116559
RefSeq Size:	3598

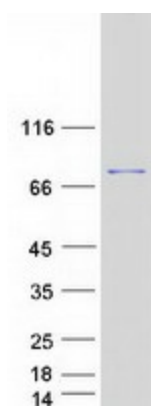


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RefSeq ORF:	1947
Synonyms:	RecQ1; RECQL1
Locus ID:	5965
UniProt ID:	P46063 , A0A024RAV2
Cytogenetics:	12p12.1

Summary: The protein encoded by this gene is a member of the RecQ DNA helicase family. DNA helicases are enzymes involved in various types of DNA repair, including mismatch repair, nucleotide excision repair and direct repair. The encoded protein is involved in the processing of Holliday junctions, the suppression of sister chromatid exchanges, telomere maintenance, and is required for genotoxic stress resistance. Defects in this gene have been associated with several types of cancer. [provided by RefSeq, Jan 2017]

Product images:



Coomassie blue staining of purified RECQL protein (Cat# [TP300427]). The protein was produced from HEK293T cells transfected with RECQL cDNA clone (Cat# [RC200427]) using MegaTran 2.0 (Cat# [TT210002]).