

Datasheet for ABIN7551159
RAD18 Protein (AA 1-495) (His tag)



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Overview

Quantity:	1 mg
Target:	RAD18
Protein Characteristics:	AA 1-495
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD18 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RAD18 Protein expressed in mammalian cells.
Sequence:	<p>MDSLAESRWP PGLAVMKTID DLLRCGICFE YFNAMIIPQ CSHNYCSLCI RKFLSYKTQC PTCCVTVTEP DLKNNRILDE LVKSLNFARN HLLQFALESP AKSPASSSSK NLAVKVYTPV ASRQSLKQGS RLMDNFLIRE MSGSTSELLI KENKSKFSPQ KEASPAATK ETRSVEEIAE DPSEAKRPEP PSTSTLKQVT KVDCPVGCVN IPESHINKHL DSCLSREEKK ESLRSSVHKR KPLPKTVYNL LSDRDLLKKL KEHGLSIQGN KQQLIKRHQE FVHMVNAQCD ALHPKSAEAEI VREIENIEKT RMRLEASKLN ESMVMFTKDQ TEKEIDEIHS KYRKKHKHSEF QLLVDQARKG YKKIAGMSQK TVTITKEDES TEKLSSVCMG QEDNMTSVTN HFSQSKLDSP EELEPDREED SSSCIDIQEV LSSSESDSCN SSSSDIIRDL LEEEEAWEAS HKNDLQDTEI SPRQNRRTA AESAEIEPRN KRNRN Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

RAD18

Alternative Name:

RAD18 ([RAD18 Products](#))

Background:

E3 ubiquitin-protein ligase RAD18 (EC 2.3.2.27) (Postreplication repair protein RAD18) (hHR18) (hRAD18) (RING finger protein 73) (RING-type E3 ubiquitin transferase RAD18),FUNCTION: E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap-filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity. {ECO:0000269|PubMed:17108083, ECO:0000269|PubMed:21659603}.

Molecular Weight:

56.2 kDa

UniProt:

[Q9NS91](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
