

Datasheet for ABIN7561749

RAD18 Protein (AA 1-509) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RAD18
Protein Characteristics:	AA 1-509
Origin:	Mouse
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>MEVLAEP RWP PGLAVMKTID DLLRCGICFE YFNIAVIIPQ CSHNYCSLCI RKFLSYKTQC</p> <p>PTCCVAVTEP DLRNNRLLDE LVKSMNFART HLLQFALESP PISPVSSSTK KVVVKVHNAD</p> <p>AAQHPVKQAN RLMDKFLIRE TGDCVFELLG KENERKFSPQ KELSTSAEIK ETSLLGKPVL</p> <p>GLSDANGPVT PSTSTMKLDL KVSCPVCVGS IPENHINKHL DSCLSREEKK ESLRSSAHKR</p> <p>KPLPKTVYNL LSDRD LKKKL KQYGLSVQGN KQQLIKRHQE FVHMYNAQCD ALHPKSAAEI</p> <p>VQEIESMEKT RMRLEASKLN ENVMVF TKNQ TEKEIEEVHS EYRKKHQNAF QLLVDQAKKG</p> <p>YKKTGRVSQA AAMRTDEPAE TLPSMRTDEP AETLPSMRTD EPAETLPLMR ADEPAETLPS</p> <p>ECIAQEDNVS FS DTVSVTNH FPQPQLDSPG PSEPERPDDS SSCTDILFSS DSDSCNRNDQ</p> <p>NREVSPQQTR RTRASECVEI EPRNKR NKN 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>

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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) (mRAD18Sc) (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.
Molecular Weight:	57.4 kDa
UniProt:	Q9QXK2

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