

Datasheet for ABIN7561957

RAD21L1 Protein (AA 1-552) (His tag)



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Overview

Quantity:	1 mg
Target:	RAD21L1
Protein Characteristics:	AA 1-552
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD21L1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rad21l1 Protein expressed in mammalian cells.
Sequence:	<p>MFYTHVLSK RGPLAKIWL AHWEKKLTKA HVFECNLEIT IQKIISPKVK IALRTSGHLL</p> <p>LGVVRIYNRK AKYLLADCSE AFLKMKMTFR PGLVDLPKEN FEAAYNTITL PEEFHDIFEIY</p> <p>NINEIDISEP LAQNQSRPEE ITLREEYSND LLFQAGSFGD EPEILRRHSF FDDNILMNSS</p> <p>GLVVEHSSGS FAEKSLFFD NGDGFGEDEGA AGEMIDNLLQ DESTFLEEAY LNKEVSLPPE</p> <p>LPSSIMVEPG NSDDQICIPED EEINEITLLS NEDEGFTLDP IDDLADIARR RRKKRRLDVD</p> <p>PVKEISSKAM HRQLASFMDT LMLDLAPPT QRLMMWKKRG GVDMLLSTAT QDLINDELKM</p> <p>LFTKCFSSD YKLAKLTLKE SVRKEVGNQQ IAEPSSVMGEP NSHSELDQPQ DWKDVTDSEV</p> <p>GSFQENVNMN VNSEQDILGM ISPAVEGLSS MNGSLAQENC PAELESSGSK QNTEAEKWNQ</p> <p>RLFQTLNVL RFNKMGMQSF SLKKLCRNSD RKQAAAKFYT LLILKKHRAI ELSQSVPYAD</p> <p>IIATVGPMFY KM Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

RAD21L1

Alternative Name:

Rad21l1 ([RAD21L1 Products](#))

Background:

Double-strand-break repair protein rad21-like protein 1, FUNCTION: Meiosis-specific component of some cohesin complex required during the initial steps of prophase I in male meiosis. Probably required during early meiosis in males for separation of sister chromatids and homologous chromosomes. Replaces RAD21 in premeiotic S phase (during early stages of prophase I), while RAD21 reappears in later stages of prophase I. Involved in synaptonemal complex assembly, synapsis initiation and crossover recombination between homologous chromosomes during prophase I. Not required for meiosis in females in young mice, while it is required later as mice age. {ECO:0000269|PubMed:21242291, ECO:0000269|PubMed:21274006, ECO:0000269|PubMed:21527826, ECO:0000269|PubMed:21743440, ECO:0000269|PubMed:22711701}.

Molecular Weight:

62.7 kDa

Target Details

UniProt: [A2AU37](#)

Pathways: [M Phase](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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