

Datasheet for ABIN7559154
REC8 Protein (AA 1-591) (His tag)



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Overview

Quantity:	1 mg
Target:	REC8
Protein Characteristics:	AA 1-591
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REC8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rec8 Protein expressed in mammalien cells.
Sequence:	<p>MFYYPNVLQR HTGCFATIWL AATRGSRLVK REYLNVNIVK TCEEILNYVL VRVQPPVAGL PRPRFSLYLS AQLQIGVIRV YFQQCQYLVE DIQHILEHLH RAQLRIRIDM EADLPSLLL PNCLAMMETL EDAPEPFFGK MSVDPRLPSP FDIPQIRHLL EAATPEKTRK ETLPEATPDP RKPDRTLATV QSPEVITLQE AEPIRMLQIE GEQDLPEISR GDLELLIAEK DDAILLEERQ RGRLLRQRRR SLPLDESREE PRALEGAGLV SALSPPAPAQ VEGIQEALPG QVFPPEVQKM TGWEPGALLT EVTPPQELRL PAPPSTEKRL PSLQRPLPRR HRRRQLLFWD KETQISREKF EEQLQTGAHC WEYPVAQPPK RMLTSPAELF RTPTLSGWLP PELLGLWTHC AQVPQRMLRQ RPQLETEETV EEERAADEEE RRKTEALSEI EVLREAQEPS GPLMLSSELS LEAAEDEKSR TSLIPPEWWA WSEEGQPEPP ALPMLPELPE VPMEMPPRPE LSSEAVLRV ALKLQANKEL DFSSLVPPLS PRKLASRVFY LLLVLSTQKI LLVEQQKPYG PLLIRPGPKF P Sequence without tag.</p>

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.

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: REC8

Alternative Name: Rec8 ([REC8 Products](#))

Background: Meiotic recombination protein REC8 homolog (Cohesin Rec8p),FUNCTION: Required during meiosis for separation of sister chromatids and homologous chromosomes. Proteolytic cleavage of REC8 on chromosome arms by separin during anaphase I allows for homologous chromosome separation in meiosis I and cleavage of REC8 on centromeres during anaphase II allows for sister chromatid separation in meiosis II. {ECO:0000269|PubMed:12034751, ECO:0000269|PubMed:15515002, ECO:0000269|PubMed:15935783, ECO:0000269|PubMed:16855401}.

Molecular Weight: 67.4 kDa

UniProt: [Q8C5S7](#)

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
