

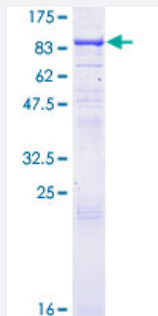
Full-Length

REC8 (Human) Recombinant Protein (P01)

Catalog # H00009985-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human REC8 full-length ORF (AAH04159.1, 1 a.a. - 547 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFYYPNVLQRHTGCFATWLAATRGSRLVKREYLRVNVVKTCEEILNYVLVRVQPPQPGLPRPRFS
LYLSAQLQIGVIRVYSQQCQYLVEDIQHILERLHRAQLQIRIDMETELPSLLLPNHLAMMETLEDAPD
PFFGMMSVDPRLPSPFDIPQIRHLLEAAIPERVEEIPPEVPTPREPERIPVTVLPPEAITILEAEPIR
MLEIEGERELPEVSRRELDLLIAEEEEAILLEIPRLPPPAPAEVEGIGEALGPEELRLTGWEPGALL
MEVTPPEELRLPAPPSPERRPPVPPPPRRRRRRLLFWDKETQISPEKFQEQLQTRAHCWEC
MVQPPERTIRGPAELFRPTLSGWLPEELLGLWTHCAQPPPKALRRELPEEAAAAEERRKIEVPS
EIEVPREALEPSFPLMVSLEISLEAAAAEKSRLIPPEERWAWPEVEAPEAPALPVVPELPEVPM
EMPLVLPPELELLSLEAVHRAVALELQANREPDFSSLVSPLSPRRMAARVFYLLLVLSAQQILHVK
QEKPYGRLLIQPGPRFH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.1

Interspecies Antigen Sequence

Mouse (70); Rat (70)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — REC8

Entrez GeneID	9985
GeneBank Accession#	BC004159.2
Protein Accession#	AAH04159.1
Gene Name	REC8
Gene Alias	HR21spB, MGC950, REC8L1, Rec8p
Gene Description	REC8 homolog (yeast)
Omim ID	608193
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the kleisin family of SMC (structural maintenance of chromosome) protein partners. The protein localizes to the axial elements of chromosomes during meiosis in both oocytes and spermatocytes. In the mouse, the homologous protein is a key component of the meiotic cohesion complex, which regulates sister chromatid cohesion and recombination between homologous chromosomes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]

Other Designations

REC8 homolog|REC8-like 1|cohesion rec8p|human homolog of rad21, S. pombe|meiotic recombination and sister chromatid cohesion phosphoprotein of the rad21p family|meiotic recombination protein REC8-like 1|recombination and sister chromatid cohesion protein

Disease

- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Oligospermia](#)