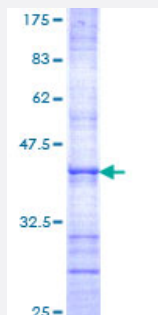


# SMC1L2 (Human) Recombinant Protein (Q01)

Catalog # H00027127-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human SMC1L2 partial ORF ( NP_683515, 551 a.a. - 660 a.a.) recombinant protein with GST-tag at N-terminal.        |
| <b>Sequence</b>                      | KVAKDCIRFLKEERAEPETFLALDYLDIKPINERLRELKGCKMVIDVIKTQFPQLKKVIQFVCGNGLV<br>CETMEEARHIALSGPERQKTVALDGTFLKSGVISGGSSDLK |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                             |
| <b>Theoretical MW (kDa)</b>          | 37.84                                                                                                             |
| <b>Interspecies Antigen Sequence</b> | Mouse (91); Rat (93)                                                                                              |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                             |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                 |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                       |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                   |
| <b>Note</b>                          | 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 — SMC1B

|                     |                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">27127</a>                                                                                                                                                                                 |
| GeneBank Accession# | <a href="#">NM_148674</a>                                                                                                                                                                             |
| Protein Accession#  | <a href="#">NP_683515</a>                                                                                                                                                                             |
| Gene Name           | SMC1B                                                                                                                                                                                                 |
| Gene Alias          | FLJ43748, SMC1BETA, SMC1L2, bK268H5, bK268H5.5                                                                                                                                                        |
| Gene Description    | structural maintenance of chromosomes 1B                                                                                                                                                              |
| Omim ID             | <a href="#">608685</a>                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                             |
| Gene Summary        | SMC1L2 belongs to a family of proteins required for chromatid cohesion and DNA recombination during meiosis and mitosis (3:Revenkova et al., 2001 [PubMed 11564881]).[supplied by OMIM]               |
| Other Designations  | OTTHUMP00000028953 SMC1 (structural maintenance of chromosomes 1, yeast)-like 1 SMC1 structural maintenance of chromosomes 1-like 2 mitosis-specific chromosome segregation protein like protein beta |

## Pathway

- [Cell cycle](#)

## Disease

- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Oligospermia](#)