

Meiotic recombination protein SPO11 (SPO11) Recombinant Protein | SPO11 recombinant protein

Recombinant Human Meiotic recombination protein SPO11 (SPO11)

CATALOG # AAA116891	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Meiotic recombination protein SPO11 (SPO11); Recombinant Human Meiotic recombination protein SPO11 (SPO11); SPO11 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-396aa; Full Length
Sequence	MAFAPMGPEA SFFDVLDRHR ESLAALRRG GREPTGGSR LASSEVLAS IENIIQDIIT SLARNEAPAF TIDNRSSWEN IKFEDSVGLQ MVSHCTTRKI KDSPKSAQK FSLILKILSM IYKLVQSNTY ATKRDIYYTD SQLFGNQTVV DNIINDISCM LKVSRRSLHI LSTSKGLIAG NLRVIEEDGT KVNCTCGATA VAVPSNIQGI RNLVTDKAFV LIVEKDATFQ RLLDDNFCNK LSPCIMITGK GVPDLNTRLL VKKLWDTFHV PVFTLVADAP HGIEIMCIYK YGSMSMSFEA HHLTPAIRW LGLLPSDLKR LNVPKDSLIP LTKRDQMKLD SILRRPYVTC QPFWRKEMEI MADSKMKAEI QALTFLLSDY LSRVYLPNKL KFGGWI
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for SPO11 recombinant protein	Meiotic recombination and chromosome segregation require the formation of double-strand breaks (DSBs) in paired chromosome homologs. During meiosis in yeast, a meiotic recombination protein is covalently-linked to the 5 end of DSBs and is essential for the formation of DSBs. This protein is similar in sequence and conserved features to the yeast meiotic recombination protein. The encoded protein belongs to the TOP6A protein family. Several transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only two of them have been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912680
NCBI GeneID	23626
NCBI Accession #	NP_036576.1
NCBI GenBank Nucleotide #	NM_012444.2
UniProt Accession #	Q9Y5K1 ; Q5TCI1 ; Q8N4V0 ; Q9NQM7 ; Q9NQM8
Molecular Weight	40,364 Da
NCBI Official Full Name	meiotic recombination protein SPO11 isoform a
NCBI Official Synonym Full Names	SPO11, initiator of meiotic double stranded breaks

NCBI Official Symbol	SPO11
NCBI Official Synonym Symbols	CT35; TOPVIA; SPATA43
NCBI Protein Information	meiotic recombination protein SPO11
UniProt Protein Name	Meiotic recombination protein SPO11
UniProt Gene Name	SPO11
UniProt Synonym Gene Names	CT35

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/spo11-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116891>