

Recombinant Human NSMCE1, His-tagged

Cat. No. NSMCE1-29732TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-266 of Human NSMCE1 With N terminal His tag; 34 kDa.
Species	Human
Source	E.coli
ProteinLength	1-266 a.a.
Description	NSMCE1 is a probable component of the SMC5-SMC6 complex, a complex involved in DNA double strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double strand breaks.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 85 µl distilled water.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MQGSTRRMGVMTDVHRRFLQLLMTHGVLEEDVKRLQTHC YKVHDRNATVDKLE DFINNINSVLESLEYIEIKRGVTE DGRPIYALVNLATTSISKMATDFAENELDLFRKALE

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LI IDSETGFASSTNILNLVDQLKGKKMRKKEAEQVLQKFV QNKWLIEKEGEFTLHGR
 AILEMEQYIREYTPDAVKICN ICHSLLIQQQSCETCGIRMHLPCVAKYFQSNAEPRCP
 HCNDYWPHEIPKVFDPPEKERESGVLKSNKKSLSRQHQ

Full Length Full L.

GENE INFORMATION

Gene Name NSMCE1 non-SMC element 1 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol NSMCE1

Synonyms NSMCE1; non-SMC element 1 homolog (*S. cerevisiae*); non-structural maintenance of chromosomes element 1 homolog; NSE1;

Gene ID 197370

mRNA Refseq NM_145080

Protein Refseq NP_659547

Uniprot ID Q8WV22

Chromosome Location 16p12.1

Function metal ion binding; zinc ion binding;

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