

Recombinant Human NSMCE2

Catalog No: #GP12465

Package Size: #GP12465-1 100ug

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Description

Product Name	Recombinant Human NSMCE2
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	NSE2/MMS21 homolog, SMC5-SMC6 complex SUMO ligase
Other Names	NSE2; MMS21; ZMIZ7; C8orf36
Accession No.	Swissprot:Q96MF7Gene Accession:BC032797
Uniprot	Q96MF7
GeneID	286053;
Storage	-20~-80°C, pH 7.6 PBS

Background

NSMCE2 is the E3 SUMO-protein ligase 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. NSMCE2 acts as a E3 ligase mediating SUMO attachment to various proteins such as SMC6L1 and TRAX, and maybe the cohesin components RAD21 and STAG2. SUMO protein-ligase activity is required for the prevention of DNA damage-induced apoptosis by facilitating DNA repair.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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