

NSMCE2 抗原（重组蛋白）

中文名称： NSMCE2 抗原（重组蛋白）

英文名称： NSMCE2 Antigen (Recombinant Protein)

别 名： NSE2; MMS21; ZMIZ7; C8orf36

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

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| Full length fusion protein |
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技术规格

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| Full name: | NSE2/MMS21 homolog, SMC5-SMC6 complex SUMO ligase |
| Synonyms: | NSE2; MMS21; ZMIZ7; C8orf36 |
| Swissprot: | Q96MF7 |
| Gene Accession: | BC032797 |
| Purity: | >85%, as determined by Coomassie blue stained SDS-PAGE |
| Expression system: | Escherichia coli |
| Tags: | His tag C-Terminus, GST tag N-Terminus |
| 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. |