

Non-SMC Element 1 Human Recombinant

Item Number	rAP-4002
Synonyms	Non-SMC Element 1 Homolog (S. Cerevisiae), NSE1, Non-Structural Maintenance of Chromosomes Element 1 Homolog, Non-SMC Element 1 Homolog, EC 6.3.2.-.
Description	NSMCE1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 289 amino acids (1-266) and having a molecular mass of 33.0kDa. NSMCE1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8WV22
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMQGSTRR MGVMTDVHRR FLQLLMTHGV LEEWDVKRLQ THCYKVHNRN ATVDKLEDFI NNINSVLESL YIEIKRGVTE DDGRPIYALV NLATTSISKM ATDFAENELD LFRKALELII DSETGFASST NILNLVDQLK GKKMRKKEAE QVLQKFVQNK WLIEKEGEFT LHGRAILEME QYIREYTPDA VKICNICHSL LIQQQSCETC GIRMHLPCVA KYFQSNAEPR CPHCNDYWPH EIP- KVFDPEK ERESGVLKSN KKSLSRQKH
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The NSMCE1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**