

Datasheet for ABIN7549846

NSMCE4A Protein (AA 1-385) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NSMCE4A
Protein Characteristics:	AA 1-385
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NSMCE4A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NSMCE4A Protein expressed in mammalian cells.
Sequence:	<p>MSGDSSGRGP EGRGRGRDPH RDRTRSRSRS RSPLSPRSRR GSARERREAP ERPSLEDTEP SDSGDEMMDP ASLEAEADQG LCRQIRHQYR ALINSVQQNR EDILNAGDKL TEVLEEANTL FNEVSRAREA VLDAHFLVLA SDLGKEKAKQ LRSDLSSFDM LRYVETLLTH MGVNPLEAEE LIRDEDSPDF EFIVYDSWKI TGRTAENTFN KTHTFHLLG SIYGECVVPK PRVDRPRKVP VIQEERAMPA QLRRMEESHQ EATEKEVERI LGLLQTYFRE DPDTPMSFFD FVVDPHSFPR TVENIFHVSF IIRDFARIR LDQDRLPVIE PVSINEENEG FEHNTQVRNQ GIIALSYRDW EEIVKTFEIS EPVITPSQRQ QKPSA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	NSMCE4A
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Alternative Name:	NSMCE4A (NSMCE4A Products)
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Background:	Non-structural maintenance of chromosomes element 4 homolog A (NS4EA) (Non-SMC element 4 homolog A),FUNCTION: 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. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). Is involved in positive regulation of response to DNA damage stimulus. {ECO:0000269 PubMed:18086888}.
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Molecular Weight:	44.3 kDa
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UniProt:	Q9NXX6
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Pathways:	Positive Regulation of Response to DNA Damage Stimulus
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Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
