

Datasheet for ABIN7564969

NDC80 Protein (AA 1-642) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | NDC80 |
| Protein Characteristics: | AA 1-642 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This NDC80 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat Ndc80 Protein expressed in mammalian cells. |
| Sequence: | <p>MKRSSVSTCG AGRLSMQELR TLDLNKPGLY TPQTKERSTF GKLSTHKPTS ERKVSIFGKR</p> <p>TSGHGSRNSQ LGIFSSSEKI KDPRLNDKA FIQQCIRQLY EFLTENGYVY SVSMKSLQAP</p> <p>STKEFLKIFA FLYGFLCPSY ELPGTKCEEE VPRIFKALGY PFTLSKSSMY TVGAPHTWPH</p> <p>IVAALVWLID CIKIDTAMKE SSPLFDDGQL WGEETEDGIK HNKLFLEYTK KCYEKFMTGA</p> <p>DSFEEEDAEL QAKLKDLYKV DASKLESLEA ENKALNEQIA RLEEEEREREP NRLMSLKKLK</p> <p>ASLQADVQNY KAYMSNLESH LAVLKQKSNS LDEEIGRVEQ ECETVKQENT RLQSIVDNQK</p> <p>YSVADIERIN HEKNELQQTI NKLTKDLEAE QQQMWNELK YARGKEAIEA QLAEYHKLAR</p> <p>KLKLIPKGAE NSKGYDFEIK FNPEAGANCL VKYRTQVYAP LKELLNESEE EINKALNKKR</p> <p>HLEDTLQLN TMKTESKNTV RMLKEEIQKL DDLHQQAVKE AEEKDKKSAS ELESLEKHHK</p> <p>LLESGVNDGL SEAMDELDAV QREYQLTVKT TTEERRKVEN NLQRLLMVA THVGSLEKHL</p> <p>EEENAKADRE YEEFMSEDLL ENIREMAEKY KRNAQLKAP DK Sequence without tag. The</p> |

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.

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| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p> |
| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
| Grade: | custom-made |

Target Details

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| Target: | NDC80 |
| Alternative Name: | Ndc80 (NDC80 Products) |
| Background: | <p>Kinetochores protein NDC80 homolog (Kinetochores protein Hec1) (Kinetochores-associated protein 2),FUNCTION: Acts as a component of the essential kinetochores-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochores integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochores. The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules. Plays a role in chromosome congression and is essential for the end-on attachment of the kinetochores to spindle microtubules. {ECO:0000250 UniProtKB:O14777}.</p> |
| Molecular Weight: | 74.0 kDa |

Target Details

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| UniProt: | Q9D0F1 |
| Pathways: | Maintenance of Protein Location |

Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| 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 |