

Datasheet for ABIN7553334
CDC5L Protein (AA 1-802) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | CDC5L |
| Protein Characteristics: | AA 1-802 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CDC5L protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat CDC5L Protein expressed in mammalian cells. |
| Sequence: | <p>MPRIMIKGGV WRNTEDEILK AAVMKYGKNQ WSRIASLLHR KSAKQCKARW YEWLDPSIKK</p> <p>TEWSREEEEK LLHLAKLMPT QWRTIAPIIG RTAAQCLEHY EFLDKAAQR DNEEETDDP</p> <p>RKLKPGEIDP NPETKPARPD PIDMDEDELE MLSEARARLA NTQGKKAKRK AREKQLEEAR</p> <p>RLAALQKRRE LRAAGIEIQK KRKRKRGVVDY NAEIPFEKKP ALGFYDTSEE NYQALDADFR</p> <p>KLRQQDL DGE LRSEKEGRDR KKDKQHLK RK KESDLPSAIL QTSGVSEFTK KRSKLVLPAP</p> <p>QISDAELQEV VKVGQASEIA RQTAEESGIT NSASSTLLSE YNVTNNSVAL RTPRTPASQD</p> <p>RILQEAQNLM ALTNVDTPLK GGLNTPLHES DFSGVTPQRQ VVQTPNTVLS TPFRTPSNGA</p> <p>EGLTPRSGTT PKPVINSTPG RTPLRDKLNI NPEDGMADYS DPSYVKQMER ESREHLRLGL</p> <p>LGLPAPKNDF EIVLPENAEK ELEEREIDDT YIEDAADVDA RKQAIRDAER VKEMKRMHKA</p> <p>VQKDLPRPSE VNETILRPLN VEPPLTDLQK SEELIKKEMI TMLHYDLLHH PYEPSGNKKG</p> <p>KTVGFGTNNS EHITYLEHNP YEKFSKEELK KAQDVLVQEM EVVKQGM SHG ELSSEAYNQV</p> |

Product Details

WEECYSQLVLY LPGQSRVYTRA NLASKKDRIE SLEKRLEINR GHMTTEAKRA AKMEKKMKIL
LGGYQSRAMG LMKQLNDLWD QIEQAHLELR TFEELKKHED SAIPRRLECL KEDVQRQQR
EKELQHRYAD LLEKETLKS KF **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.**

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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> |
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| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
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| Grade: | custom-made |
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Target Details

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| Target: | CDC5L |
| Alternative Name: | CDC5L (CDC5L Products) |
| Background: | <p>Cell division cycle 5-like protein (Cdc5-like protein) (Pombe cdc5-related protein),FUNCTION: DNA-binding protein involved in cell cycle control. May act as a transcription activator. Plays a role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes (PubMed:11991638, PubMed:20176811, PubMed:28502770, PubMed:28076346, PubMed:29361316, PubMed:29360106, PubMed:29301961, PubMed:30728453, PubMed:30705154). Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR)</p> |

Target Details

(PubMed:20176811). As a component of the minor spliceosome, involved in the splicing of U12-type introns in pre-mRNAs (Probable). {ECO:0000269|PubMed:10570151, ECO:0000269|PubMed:11082045, ECO:0000269|PubMed:11101529, ECO:0000269|PubMed:11544257, ECO:0000269|PubMed:11991638, ECO:0000269|PubMed:12927788, ECO:0000269|PubMed:18583928, ECO:0000269|PubMed:20176811, ECO:0000269|PubMed:24332808, ECO:0000269|PubMed:28076346, ECO:0000269|PubMed:28502770, ECO:0000269|PubMed:29301961, ECO:0000269|PubMed:29360106, ECO:0000269|PubMed:29361316, ECO:0000269|PubMed:30705154, ECO:0000269|PubMed:30728453, ECO:0000269|PubMed:9038199, ECO:0000269|PubMed:9468527, ECO:0000269|PubMed:9632794, ECO:0000305|PubMed:33509932}.

Molecular Weight: 92.3 kDa

UniProt: [Q99459](#)

Pathways: [Activation of Innate immune Response](#), [Chromatin Binding](#)

Application Details

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

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