Datasheet for ABIN7558115
# CCDC135 Protein (AA 1-876) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | CCDC135 |
| Protein Characteristics: | AA 1-876 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CCDC135 protein is labelled with His tag. |

## Product Details

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| Purpose: | Custom-made recombinant Drc7 Protein expressed in mammalian cells. |
| Sequence: | MEVLREKVEE EEEAEREEAA ERAERTEKLE RVTKSAEVSR EGTILSQDEL RDLEGKLMAI EIPTQADHSV ISQAPVDVTK LPPSYTTNSL KEEHLLLVAD NFSRQYSHLC PDRVPLFLHP LNECNVPKFV STTLRPTLMP YPELYNWDSC AQFVSDFLTM VPLVDPLKPP THLYSSTTVL KCQKGNCFDF STLLCSMLIG SGYDAYCVNG YGSLDLCLMD LTREVCPLTV KAKEIVKKKE KTVPKKYSIK PPRDLTSKFE QEQEEKRIQE IKDLEQRRLK EEEDRILEAE KAKPDPLHGL RVHSWVLVLA GKREVPESFF IDPLTARSYS TKDEHFLGIE SLWNHKNYWI NMQDCWNCCK DLIFDLGDPV RWEYMLLGTD KPHLSLTEED EEGLDDDDDD VEDLGKEEED KSFDMPSSWV SQIEITPEEF ETRCPSGKKV IQYKKAQLEK WSPYLNNNGL VCRLTTYEDQ QCTKVLEIKE WYQNREDMLE LKHINKTTGL HVDYFKPGHP QALCVHSYKS MLPEMDRVME FYKKIRVDGL VKREETPMTM TEYYEGRSDF LAYRHVNFGP RVKKLSQSSV ESNPRPMVKI TERFSRNPEK PADEDVAERL FLIVEERIQL RYHCRDDYIT ASKREFLRRM EVDSKGNKII MTPEMCISYE VEPMEHTKKL LYQYETMNQL KNEEKLSRHQ AWESELEVLE ILKLREEEEE AHTLTISIYD |

## Product Details

TKRNEKSKEY REAMERVLHE EHLRQVEAQL DYLAPFLAQL PPGEKLTRWQ AVRLKDECLS DFKQRLIDKA NLIQARFEKE TQELQKKQQW YQENQVTLTP EDENLYLSYC SQAMFRIRIL EQRLNRHKEL APLKYLALEE KLYKDPRLID FVKVFV **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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| 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: |

- 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.

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

## Target Details

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| Target: | CCDC135 |
| Alternative Name: | Drc7 (CCDC135 Products) |
| Background: | Dynein regulatory complex subunit 7 (Coiled-coil domain-containing protein 135) (Coiled-coil domain-containing protein lobo homolog) (Spermatogenesis-related gene in late stages of spermatogenesis cells protein),FUNCTION: Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes (By similarity). |

## Target Details

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|  | Essential for male fertility, sperm head morphogenesis and sperm flagellum formation (PubMed:31961863). Not required for ciliogenesis in the brain and trachea (PubMed:31961863). {ECO:0000250|UniProtKB:A8JAM0, ECO:0000269|PubMed:31961863}. |
| Molecular Weight: | 103.3 kDa |
| UniProt: | Q6V3W6 |

## Application Details

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| 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

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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 |