

Product datasheet for TP514733

Drc1 (NM_001033460) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse dynein regulatory complex subunit 1 (Drc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR214733 representing NM_001033460 Red =Cloning site Green =Tags(s) |

MNPSGTIGVLEQNGEEHLATPILGPSVHSDNPQERIQARRLRIARQEARRREALGEYLDGKKESEEEQS
KSYKQKEESRLKLTKLLCGTELVTNIQVAADVREIHRVVEEETKRQRLEKLENEVKTSQDKFDEITAK
WEEGRRKRIPQELWEMLNSQQVHCAELIEDKNKLANELQQELKIKDDQYVKDLKKQSEIDTLILERMEEQ
VKNVMKNFRQELIHIEKAFESERQELLSSNKKKWERALQAHNAKELEYLTNRMKKVEDYEQQLNKQRVW
D
CEEYNTIKIKLEQDVQILEQQLQQM KatyQLNQE KLEYNFQVLKKRDEESTVIKSQQKRKLNRLHDVNN
LRTKYTKQIRQFQDDNQSLTSDYKRLVTQFKDLQALRHFIIIDEEKFREIWMNEAEAKELAQRAFDVD
RIIHSQHLGLPWNMPDLWFLNNVGPISLQQQKSVTQILEELLQTEDEATEAAMSEDEDYMDLPNQISAK
TTTKVLMLLCDESGFLIESKLLSLLHPLEKSECYLLRLDAIFSALAIEDDDLYKLVNFFLRYRAHRLSS
AQASSIHSNVERTSLMSALERLSLMSQTDKGS MVSKSDQEPTQEDEQEGDNASLSSRELEE QEDLSSP
RFIHPNDVLKILEAFVTGLKKPKDAQPVLKLLK KETRDNSKDTEYWESLA AVIPFFKQNLWDALYKALEKY
YLVLTERAKLLMENESLEQQNAEMQSLLQYQLQAKVNTLQIPPTQGFRMP SK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 88.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_001028632 |
| Locus ID: | 381738 |
| UniProt ID: | Q3USS3 |
| RefSeq Size: | 2485 |
| Cytogenetics: | 5 B1 |
| RefSeq ORF: | 2259 |
| Synonyms: | b2b1654Clo; Ccdc164; Gm1060 |
| Summary: | 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. Plays a critical role in the assembly of N-DRC and also stabilizes the assembly of multiple inner dynein arms and radial spokes. Coassembles with CCDC65/DRC2 to form a central scaffold needed for assembly of the N-DRC and its attachment to the outer doublet microtubules.[UniProtKB/Swiss-Prot Function] |