

## Product datasheet for TP318997

### DRC1 (NM\_145038) Human Recombinant Protein

#### Product data:

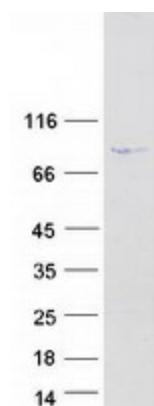
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|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human chromosome 2 open reading frame 39 (C2orf39), 20 µg   |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC218997 representing NM_145038<br>Red=Cloning site Green=Tags(s)   |
|                                       | <p>MNPPGSLEALDPNVDEHLSTQILAPSVHSDNSQERIQARRLRIARLEARREALGEYLDGKKESEEDQS<br/>           KSYKQKEESRLKAKLLLCGTELVNTNIQVAIDIREIHRVVEEEEIKRQRIEKLNEVKTSQDKFDEITSK<br/>           WEEGKQKRIPQELWEMLNTQQLHCAGLLEDKNKLISELQELKTKDDQYVKDLKKQSDDICLLERMEEQ<br/>           VKNVMKTFREELYNIEKAFAEVERQELLASNKKKWEQALQAHNAKELEYLNNRMKKVEDYEQQLNRQRWD<br/>           CEEYNMIKIKLEQDVQILEQQQLQQRKAIYQLNQEKLQYLVLKKRDEESTVIKSQQKRKINRLHDILNN<br/>           LRSKYAKQIKQFQEQNSLTSYKRLVMQFKELQKAMRHFALIDDEKFWIWLNMNEEEAKDLIARAFDVD<br/>           RIIHTHHLGLPWAAPDFWFLNNVGPISQQPQKSATQIVEEMLMRSEEEEEAEAAAAPESYLDLPKQISEK<br/>           TTKRILMLLCDSEGFLESKLLSLLPLEQNECYLLRLDAIFSALGIESEDDLYKLVNFFLKYRAHRLSS<br/>           SLQIKPCSQASMEKASMEETSTRSELELAEQTEMEGEKEESLVEGEKEEEEETPPSPWVIHPNDVLKILE<br/>           AFVMGLKKPRDSRAPLRVQKNVRDNSKDSEYWQALTTVIPSSKQNLWDALYTALEKYHLVLTQRAKLLLE<br/>           NSSLEQQNTELQALLQQYLNSKINSELQVPPTQVLRVPTK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 87 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   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| 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.  |



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| <b>Stability:</b>    | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>       | <u>NP_659475</u>   |
| <b>Locus ID:</b>     | 92749  |
| <b>UniProt ID:</b>   | <u>Q96MC2</u>  |
| <b>RefSeq Size:</b>  | 2490   |
| <b>Cytogenetics:</b> | 2p23.3   |
| <b>RefSeq ORF:</b>   | 2220   |
| <b>Synonyms:</b>     | C2orf39; CCDC164; CILD21   |
| <b>Summary:</b>      | This gene encodes a central component of the nexin-dynein complex (N-DRC), which regulates the assembly of ciliary dynein. Mutations in this gene can cause ciliary dyskinesia. [provided by RefSeq, Aug 2015] |

### Product images:



Coomassie blue staining of purified DRC1 protein (Cat# TP318997). The protein was produced from HEK293T cells transfected with DRC1 cDNA clone (Cat# [RC218997]) using MegaTran 2.0 (Cat# [TT210002]).