

## Product datasheet for PH301714

### DSCC1 (NM\_024094) Human Mass Spec Standard

#### Product data:

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Mass Spec Standards                                                                                                                |
| Description:                          | DSCC1 MS Standard C13 and N15-labeled recombinant protein (NP_076999)                                                              |
| Species:                              | Human                                                                                                                              |
| Expression Host:                      | HEK293                                                                                                                             |
| Expression cDNA Clone or AA Sequence: | RC201714                                                                                                                           |
| Predicted MW:                         | 44.8 kDa                                                                                                                           |
| Protein Sequence:                     | >RC201714 protein sequence<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s) |

MKRTRDEVDTLQIAKLNAEELLPAVHCLGFGPGASGAAAGDFCLLELEPTLCQQLEDGHSLVIRGDKDE  
 QAVLCSKDKTYDLKIDTSNMLLFIPGCKTPDQLKKEDSHCNIIHTEIFGFSNNYWELRRRRPKLKKLKK  
 LLMENPYEGPDSQKEKDSNSSKYTTEDLLDQIQASEEEIMTQLQVLNACKIGGYWRILEFDYEMKLLNHV  
 TQLVDSSESWSFGKVPLNTCLQELGPLEPEEMIEHCLKCYGKKYVDEGEVYFELDADKICRAAARMLLQNA  
 VKFNLAEFQEVWQQSVPEGMVTSLDQLKGLALVDRHSRPEIIFLLKVDDLPEDNQERFNSLFSLEKRWTE  
 EDIAPYIQDLCGEKQTIGALLTKYSRSSMQNGVKVYNSRRPIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                  |                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag:             | C-Myc/DDK                                                                                                                                                                |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                              |
| Concentration:   | >0.05 µg/µL as determined by microplate BCA method                                                                                                                       |
| Labeling Method: | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine |
| Buffer:          | 25 mM Tris-HCl, 100 mM glycine, pH 7.3                                                                                                                                   |
| Storage:         | Store at -80°C. Avoid repeated freeze-thaw cycles.                                                                                                                       |
| Stability:       | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                               |
| RefSeq:          | <u><a href="#">NP_076999</a></u>                                                                                                                                         |
| RefSeq Size:     | 2291                                                                                                                                                                     |
| RefSeq ORF:      | 1179                                                                                                                                                                     |
| Synonyms:        | DCC1                                                                                                                                                                     |
| Locus ID:        | 79075                                                                                                                                                                    |

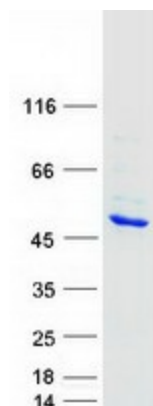

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UniProt ID: Q9BVC3

Cytogenetics: 8q24.12

Summary: CHTF18 (MIM 613201), CHTF8 (MIM 613202), and DSCC1 are components of an alternative replication factor C (RFC) (see MIM 600404) complex that loads PCNA (MIM 176740) onto DNA during S phase of the cell cycle (Merkle et al., 2003 [PubMed 12766176]; Bermudez et al., 2003 [PubMed 12930902]).[supplied by OMIM, Dec 2009]

### Product images:



Coomassie blue staining of purified DSCC1 protein (Cat# [TP301714]). The protein was produced from HEK293T cells transfected with DSCC1 cDNA clone (Cat# [RC201714]) using MegaTran 2.0 (Cat# [TT210002]).