# Recombinant Human BORCS5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BORCS5-2716H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | LOH12CR1 MS Standard C13 and N15-labeled recombinant protein (NP_477517) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor. Thereby, it may indirectly play a role in cell spreading and motility. |
| **Molecular Mass** | 22.2 kDa |
| **AA Sequence** | MGSEQSSEAESRPNDLNSSVTPSPAKHRAKMDDIVVVAQGSQASRNVSNDPDVIKL QEIPTFQPLLKGLLSGQTSPTNAKLEKLDSQQVLQLCLRYQDHLHQCAEAVAFDQNA LVKRIKEMDLSVETLFSFMQERQKRYAKYAEQIQKVNEMSAILRRIQMGIDQTVPLLD RLNSMLPEGERLEPFSMKPDRELRLTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 3 months from receipt of products under proper storage and handling conditions. |

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| **Storage** | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| **Concentration** | 50 μg/mL as determined by BCA |
| **Storage Buffer** | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

## GENE INFORMATION

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| **Gene Name** | BORCS5 BLOC-1 related complex subunit 5 [ Homo sapiens (human) ] |
| **Official Symbol** | BORCS5 |
| **Synonyms** | BORCS5; BLOC-1 related complex subunit 5; LOH12CR1; LOH1CR12; BLOC-1-related complex subunit 5; loss of heterozygosity 12 chromosomal region 1 protein; loss of heterozygosity, 12, chromosomal region 1; myristoylated lysosomal protein; myrlysin |
| **Gene ID** | 118426 |
| **mRNA Refseq** | NM_058169 |
| **Protein Refseq** | NP_477517 |
| **MIM** | 616598 |
| **UniProt ID** | Q969J3 |

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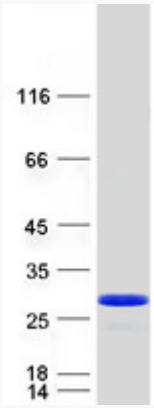
| **SDS-PAGE** |  |



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