

# Recombinant Human EXOSC5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** EXOSC5-1027H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | EXOSC5 MS Standard C13 and N15-labeled recombinant protein (NP_064543) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | EXOSC5 (Exosome Component 5) is a Protein Coding gene. Diseases associated with EXOSC5 include Cat-Scratch Disease and Pontocerebellar Hypoplasia, Type 1B. Among its related pathways are rRNA processing in the nucleus and cytosol and Regulation of activated PAK-2p34 by proteasome mediated degradation. Gene Ontology (GO) annotations related to this gene include RNA binding and exoribonuclease activity. An important paralog of this gene is EXOSC6. |
| <b>Molecular Mass</b>   | 25.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MEEEMHTDAKIRAENG TGSSPRGPGCSLRHFACEQNLLSRPDGSASFLQGDTSVL<br>AGVYGPAEVKVSKEIFNKATLEVILRPKIGLPGVAEKSRRERLIRNTCEAVVLGTLHPRT<br>SITVVLQVVSDAGSLLACCLNAACMALVDAGVPMRALFCGVACALDSGDTLVLDPTS<br>KQEKEARAVLTFALDSVERKLLMSSTKGLYSDELQQCLAAAQAASQHVFRFYRES<br>LQRRYSKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                       |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                       |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

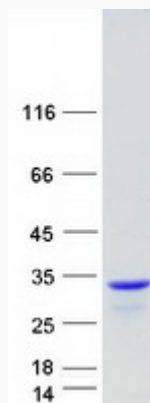
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EXOSC5 exosome component 5 [ Homo sapiens (human) ]                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | EXOSC5                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | EXOSC5; exosome component 5; exosome complex component RRP46; exosome component Rrp46; hRrp46p; MGC12901; p12B; RRP41B; RRP46; Rrp46p; exosome complex exonuclease RRP46; ribosomal RNA-processing protein 46; chronic myelogenous leukemia tumor antigen 28; MGC111224; |
| <b>Gene ID</b>         | 56915                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_020158                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_064543                                                                                                                                                                                                                                                                |
| <b>MIM</b>             | 606492                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | Q9NQT4                                                                                                                                                                                                                                                                   |

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**SDS-PAGE**

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