

# Recombinant Human ELAVL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ELAVL1-6668H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ELAVL1 MS Standard C13 and N15-labeled recombinant protein (NP_001410) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | The protein encoded by this gene is a member of the ELAVL family of RNA-binding proteins that contain several RNA recognition motifs, and selectively bind AU-rich elements (AREs) found in the 3' untranslated regions of mRNAs. AREs signal degradation of mRNAs as a means to regulate gene expression, thus by binding AREs, the ELAVL family of proteins play a role in stabilizing ARE-containing mRNAs. This gene has been implicated in a variety of biological processes and has been linked to a number of diseases, including cancer. It is highly expressed in many cancers, and could be potentially useful in cancer diagnosis, prognosis, and therapy. |
| <b>Molecular Mass</b>   | 36.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSNGYEDHMAEDCRGDIGRTNLIVNYLPQNMTQDELRSLFSSIGEVEESAKLIRDKVA<br>GHSLGYGFVNYVTAKDAERAINTLNGLRLQSKTIKVSYPSPSEVIKDANLYISGLPR<br>TMTQKDVEDMFSRFGRIINSRVLVDQTTGLSRGVAFIRFDKRSEAEAAITSFNGHKP<br>PGSSEPITVKFAANPNQKNVALLSQLYHSPARRFGGPVHHQAQRFRFSPMGVDH<br>MSGLSGVNVPGNASSGWCIFIYNLGQDADEGILWQMFGPFGAVTNVKVIRDFNTNK                                                                                                                                                                                                                                                                                                                                                            |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | CKGFGFVTMTNYEEAAMAIASLNGYRLGDKILQVSFKTNKSHKTRTRPLEQKLISEE<br>DLAANDILDYKDDDDKV             |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <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>       | ELAVL1 ELAV like RNA binding protein 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                                |
| <b>Official Symbol</b> | ELAVL1                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | ELAVL1; ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R); HUR; ELAV-like protein 1; embryonic lethal; abnormal vision; drosophila; homolog like 1; Hu antigen R; Hua; HuR; MeIG; hu-antigen R; embryonic lethal, abnormal vision, drosophila, homolog-like 1; ELAV1; |
| <b>Gene ID</b>         | 1994                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001419                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_001410                                                                                                                                                                                                                                                                                      |

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MIM 603466

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SDS-PAGE



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