

## Active Recombinant Full Length Human ELAVL1 Protein, C-Flag-tagged

**Cat. No.** ELAVL1-75HFL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ELAVL1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | EMSA reaction positive control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 35.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSNGYEDHMAEDCRGDIGRTNLIVNYLPQNMTQDELRSLSFSSIGEVEESAKLIRDKVA<br>GHSLGYGFVNYVT AKDAERAINTLNGRLQSKTIKVSYPSPSEVIKDANLYISGLPR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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TMTQKDVEDMFSRFGRINSRVLVD QTTGLSRGVAFIRFDKRSEAEAAITSFNGHKP  
 PGSSEPITVKFAANPNQKNVALLSQLYHSPARRFGGP VHHQAQRFRFSPMGVDH  
 MSGLSGVNVPGNASSGWCIFIYNLGQDADEGILWQMFGPFGAVTNVKVIRDFN  
 TNKCKGFGFVTMTNYEEAAMAIASLNGYRLGDKILQVSFKTNKSHKTRTRPLEQKLIS  
 EEDLAANDILDYKDDDDKV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <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>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| <b>Gene Name</b>       | ELAVL1 ELAV like RNA binding protein 1 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | ELAVL1                                                          |
| <b>Synonyms</b>        | HUR; Hua; MeIG; ELAV1                                           |
| <b>Gene ID</b>         | 1994                                                            |
| <b>mRNA Refseq</b>     | NM_001419.3                                                     |

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**Protein Refseq** NP\_001410.2

**MIM** 603466

**UniProt ID** Q15717



Coomassie blue staining of purified ELAVL1 protein.

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