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# Product datasheet for TP504748

## Elavl1 (BC016194) Mouse Recombinant Protein

### Product data:

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| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Mouse ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R) (cDNA clone MGC:27577, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| **Species:** | Mouse |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >MR204748 representing BC016194<br>Red=Cloning site Green=Tags(s)<br><br>MSNGYEDHMAEDCRDDIGRTNLIVNYLPQNMTQEELRSLFSSIGEVESAKLIRDKVAGHSLGYGFVNYVT<br>AKDAERAISTLNGLRLQSKTIKVSYARPSSEVIKDANLYISGLPRTMTQKDVEDMFSRFGRIINSRVLVD<br>QTTGLSRGVAFIRFDKRSEAEEAITSFNGHKPPGSSEPITVKFAANPNQNKNMALLSQLYHSPARRFGGP<br>VHHQAQRFRFSPMGVDHMSGISGVNVPGNASSGWCIFIYNLGQDADEGILWQMFGPFGAVTNVKVIRDFN<br>TNKCKGFGFVTMTNYEEAAMAIASLNGYRLGDKILQVSFKTNKSHK<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-MYC/DDK |
| **Predicted MW:** | 90.8 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C after receiving vials. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Locus ID:** | 15568 |
| **UniProt ID:** | P70372 |
| **RefSeq Size:** | 2475 |

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| **Cytogenetics:** | 8 2.0 cM |
| **RefSeq ORF:** | 978 |
| **Synonyms:** | HUR |
| **Summary:** | RNA-binding protein that binds to the 3' UTR region of mRNAs and increases their stability. Involved in embryonic stem cells (ESCs) differentiation: preferentially binds mRNAs that are not methylated by N6-methyladenosine (m6A), stabilizing them, promoting ESCs differentiation (PubMed:24394384). Binds to poly-U elements and AU-rich elements (AREs) in the 3' UTR of target mRNAs. Binds avidly to the AU-rich element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, binds to a core element of 27 nucleotides that contain AUUUA, AUUUUA, and AUUUUUA motifs. Binds preferentially to the 5'-UUUU[AG]UUU-3' motif in vitro (By similarity). With ZNF385A, binds the 3' UTR of p53/TP53 mRNA to control their nuclear export induced by CDKN2A. Hence, may regulate p53/TP53 expression and mediate in part the CDKN2A anti-proliferative activity. May also bind with ZNF385A the CCNB1 mRNA (PubMed:21402775). Increases the stability of the leptin mRNA harboring an AU-rich element (ARE) in its 3' UTR (PubMed:27616329).[UniProtKB/Swiss-Prot Function] |