

# Recombinant Human MSI1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MSI1-479H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MSI1 MS Standard C13 and N15-labeled recombinant protein (NP_002433) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene encodes a protein containing two conserved tandem RNA recognition motifs. Similar proteins in other species function as RNA-binding proteins and play central roles in posttranscriptional gene regulation. Expression of this gene has been correlated with the grade of the malignancy and proliferative activity in gliomas and melanomas. A pseudogene for this gene is located on chromosome 11q13.          |
| <b>Molecular Mass</b>   | 38.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | METDAPQPGLASPDSPHDPCKMFIGGLSWQTTQEGLREYFGQFGEVKECLVMRDP<br>LTKRSRGFGFVTMDQAGVDKVLQSRHELDSTIDPKVAFPRRAQPKMVTRTKKIF<br>VGGLSVNTTVEDVKQYFEQFGKVDDAMLMFDKTTNRHRGFGFVTFESEDIVEKVCE<br>IHFHEINNKMVECKKAQPKVMSPTGSARGRSRVMPYGMDFMLGIGMLGYPGFQ<br>ATTYASRSYTGAPGYTYQFPEFRVERTPLPSAPVLPeltaIPLTAYGPMAAAAAAAAA<br>VVRGTGSHPWMTAPPPGSTPSRTGGFLGTTSPGMAELYGAANQDSGVSSYISAA<br>SPAPSTGFGHSLGGPLIATAFTNGYHTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <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>       | MSI1 musashi RNA binding protein 1 [ Homo sapiens (human) ]                                                                       |
| <b>Official Symbol</b> | MSI1                                                                                                                              |
| <b>Synonyms</b>        | MSI1; musashi homolog 1 (Drosophila); Musashi (Drosophila) homolog 1; RNA-binding protein Musashi homolog 1; musashi1; musashi-1; |
| <b>Gene ID</b>         | 4440                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_002442                                                                                                                         |
| <b>Protein Refseq</b>  | NP_002433                                                                                                                         |
| <b>MIM</b>             | 603328                                                                                                                            |
| <b>UniProt ID</b>      | O43347                                                                                                                            |

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