

## Recombinant Human MSI1

Cat. No. MSI1-30259TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Musashi 1 / Msi1 with a proprietary tag; Predicted MWt 65.89 kDa including tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	362 amino acids
<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 Weight</b>	65.890kDa inclusive of tags
<b>Tissue specificity</b>	Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas. Detected in hepatoma cell lines.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	METDAPQPGLASPDSPHDPCKMFIGGLSWQTTQEGLREYFGQFGEVKECLVMRDP LTKRSRGFGFVTFMDQAGVDKVLQSRHELDSTIDPKVAFPRRAQPKMVTRTKKIF VGGLSVNTTVEDVKQYFEQFGKVDAMLMFDKTTNRHRGFGFVTFESEDIVEKVCE IHFHEINNKMVECKKAQPKEVMSPTGSARGRSRVMPYGMDFMLGIGMLGYPGFQ ATTYASRSYTG LAGPYTYQFPEFRVERTPLPSAPVLP ELTAIPLTAYGPMAAAAAAAAA VVRGTGSHPW TMAPPPGSTPSRTGGFLGTTSPGMAELYGAANQDSGVSSYISAA SPAPSTGFGHSLGGPLIATAFTNGYH
<b>Sequence Similarities</b>	Belongs to the Musashi family.Contains 2 RRM (RNA recognition motif) domains.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MSI1 musashi homolog 1 (Drosophila) [ Homo sapiens ]
<b>Official Symbol</b>	MSI1
<b>Synonyms</b>	MSI1; musashi homolog 1 (Drosophila); Musashi (Drosophila) homolog 1; RNA-binding protein Musashi homolog 1;
<b>Gene ID</b>	4440
<b>mRNA Refseq</b>	NM_002442
<b>Protein Refseq</b>	NP_002433
<b>MIM</b>	603328

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<b>Uniprot ID</b>	O43347
<b>Chromosome Location</b>	12q24
<b>Pathway</b>	mRNA surveillance pathway, organism-specific biosystem; mRNA surveillance pathway, conserved biosystem;
<b>Function</b>	RNA binding; nucleotide binding; poly(U) RNA binding; single-stranded RNA binding;

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