

Recombinant Human MSI1

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

SPECIFICATION

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

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

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

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