

Product datasheet for **SC303231**

MASPIN (SERPINB5) (NM_002639) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MASPIN (SERPINB5) (NM_002639) Human Untagged Clone
Tag:	Tag Free
Symbol:	MASPIN
Synonyms:	maspin; PI5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002639 edited TTTTCCAGGATAACTGTGACTCCAGGCCGCAATGGATGCCCTGCAACTAGCAAATTCGG CTTTTGCCGTTGATCTGTTCAAACAACATGTGAAAAGGAGCCACTGGGCAATGTCTCT TCTCTCCAATCTGTCTCTCCACCTCTGTCACTTGCTCAAGTGGGTGCTAAAGGTGACA CTGCAAATGAAATTGGACAGTTCTTCATTTTAAAATGTCAAAGATGTACCCCTTTGGAT TTCAAACAGTAACATCGGATGTAACAACAACTTAGTTCCTTTTACTCACTGAACTAATCA AGCGGCTCTACGTAGACAAATCTCTGAATCTTTCTACAGAGTTCATCAGCTCTACGAAGA GACCCTATGCAAAGGAATTGGAACTGTTGACTTCAAAGATAAATTGGAAGAAACGAAAG GTCAGATCAACAACCTCAATTAAGGATCTCACAGATGGCCACTTTGAGAACATTTAGCTG ACAACAGTGTGAACGACCAGACAAAATCCTTGTGGTTAATGCTGCCTACTTTGTTGGCA AGTGGATGAAGAAATTTCTGAATCAGAAACAAAAGAATGCCTTTCAGAGTCAACAAGA CAGACACCAAACAGTGCAGATGATGAACATGGAGGCCACGTTCTGTATGGGAAACATTG ACAGTATCAATTGTAAGATCATAGAGCTTCCTTTTCAAATAAGCATCTCAGCATGTTCA TCCTACTACCCAAGGATGTGGAGGATGAGTCCACAGGCTTGGAGAAGATTGAAAAACAAC TCAACTCAGAGTCACTGTACAGTGGACTAATCCCAGCACCATGGCCAATGCCAAGGTCA AACTCTCCATTCAAAATTTAAGGTGAAAAGATGATTGATCCCAAGGCTTGTCTGGAAA ATCTAGGGCTGAAACATATCTTCAGCGAAGACACATCTGATTTCTCTGGAATGTCAGAGA CCAAGGGAGTGGCCCTATCAAATGTTGTCCACAAAAGTGTGCTTAGAAATAACTGAAGATG GTGGGGATTCCATAGAGGTGCCAGGACGCGATCCTGCAGCACAAAGGATGAATTTGAATG CTGACCATCCCTTTATTTACATCATCAGGCACAACAAAACCTCGAAACATCATTTCCTTTG GCAAATCTGTTCTCCTTAAGTGGCATAGCCCATGTTAAGTCTCCCTGACTTTCTC
Restriction Sites:	Please inquire
ACCN:	NM_002639
Insert Size:	1200 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a good match to NM_002639.2 except for 3 SNPs.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_002639.2</u> , <u>NP_002630.1</u>
RefSeq Size:	2558 bp
RefSeq ORF:	1128 bp
Locus ID:	5268
UniProt ID:	<u>P36952</u>
Cytogenetics:	18q21.33
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	p53 signaling pathway
Gene Summary:	Tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity. [UniProtKB/Swiss-Prot Function]