

Product datasheet for **SC306488**

SPATIAL (TBATA) (NM_152710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATIAL (TBATA) (NM_152710) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATIAL
Synonyms:	C10orf27; SPATIAL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_152710 edited
 GCCCTGCCTTCCCCTCGATTTGCTCTTGCTCCTTCTGCTAGGACAGCAGGGCTTCTC
 GTACACATGCTGTAGCGGCACCTGCCTTGGCAGGAGATTGGGGCTTCCACATATCCTG
 TTCTCAAGATTGTAGCATCTCAGTACTCTAGAGCCCAGTACCTGACATCAAGGATGCTG
 GAGCTTCTTTTTAAGGAAAGAAAAGATCAGCAAACCTGCCTGTTCCCGTTTACACTTCCA
 CCACCAGTTCTGAGAGTTCTGTTCTGCATCCTCAACACTAGTATTAAGTGAGAGTTCC
 TGTCTGCATCCTCAACGCTAGTATTAAGTGCCTGGCTTTAGTCTGTTAAAAAGCATA
 CAATGGCTACAGATGTTCAATTGGCTGATTATCCACTGATGAGTCCAAAGGCTGAGCTGA
 AACTGGAGAAGAAGTCAAGGCGCAAGCCAAGGAGCCCCAGGGACAGTGGGCCACAGAAAG
 AACTGGTGATCCCAGGGATTGTGGATTTGAGCGGATCCGCCGGGATTGAGACCCCAA
 AGCCCCAAACCCCTGGCACCTACTGCTTTGGACGCCTCAGTCAACACTCCTTCTTCTCCC
 GGCACCACCCACACCCCAAGCAGTACCCACATCCAAGATCTCACCGGGAAGCCTGTCT
 GTGTCGTCAAGGATTTTCCAGCCCTTGCCTGAGTCAACTGTCTTTCCGGCTGTCAA
 TGGGGATACCCACCATCTCTGTCCCATTTGGAGACCCACAGTCTAATCGGAACCCCAAGC
 TTTCTTGAAGCCTGGAAGAAGGAGTTGAAGGAGCTAGCTTCCCGGGTGGCCTTCTCTCA
 CCAAGGAGGATGAACTGAAGAAGAAAGAGAAGGAGCAGAAGGAGGAGCCTCTGCGGGAGC
 AGGGGGCAAAGTACTCAGCAGAGACTGGGAGGCTCATCCCGCTTCCACCCGGGCTGTG
 GCCGCCGAGATCTCACCAGGGCCAGCAGAGTCACTTCCAGCAGACATGAAGGAGTCC
 AGGCTTTCTCCTTCAAGATCAGGAGCTGCTGGTCTGGAGCTCCTGTGTGATCAGTCTGG
 AAACAGACTTGCTAAGCGCAATCCAGTTCTGGCTGCTTACGCTCCGCCAAGGAAAAAG
 ACCTCGCTCTGGGACTCCTGCAGACAGCAGTGGCTCAGCTCCTTCCCAAGCCCTAGTCT
 CCATCCCTACAGAAAAGCTCCTAAGCCAGCTTCCAGAAGTGCATGAACCTCCTCAAGAGA
 AGCAAGAGCCACCCTGCAGTCAATCCCCGAAGAAAACGAAGATATCACCTTTTACAAAA
 GCGAAAAACCAGAGTACATTGGAGAAGCTCAAGTCTCCAGATGCATTCAAGCCAGAACA
 CAGAGAAGAAGACATCGAAGCCGAGGGCAGAGAGCTGAGGGGCCCTAACACTTGCACCTG
 CCTTGCTCAAGAGCAGCCCAAGGGTTCAGGGGTGTTTCTGTCTCCACCAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_152710
Insert Size:	1500 bp
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:	ORF sequence matches to NM_152710.1.
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:	NM_152710.1 , NP_689923.1
RefSeq Size:	1583 bp
RefSeq ORF:	1056 bp
Locus ID:	219793
UniProt ID:	Q96M53
Cytogenetics:	10q22.1
Gene Summary:	<p>This gene encodes a protein that regulates thymic epithelial cell proliferation and thymus size. It has been identified as a ligand for the class I human leukocyte antigen (HLA-I) in thymus. Studies of the orthologous mouse protein suggest that it may also play a role in spermatid differentiation, as well as in neuronal morphogenesis and synaptic plasticity. Polymorphisms in this gene are associated with susceptibility for multiple sclerosis (MS). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a. Both variants 2 and 3 encode isoform b.</p>