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Product datasheet for MC217265

Spata2 (NM_170756) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata2 (NM_170756) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spata2
Synonyms:	AI504642; mKIAA0757
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC217265 representing NM_170756
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATACGAAGTACAAGGATGACTTATTCCGGAAGTACGTGCAGTTCCATGAGGGCAAAGTGGACACCA
CCCCCGGCAACCAGCAGCCTGGCAGCGATGAGTACCTGCGCGTGGCAGCTGCCACCCTGCTCAGCCTGCA
CAAGGTGGACCCTTTATATCGATTTCGGCTGATCCAGTTTTATGAGGTGGTGGAGAGCTCCCTCCGCTCG
CTGAGCAGCTCCAGCCTGAGTGCTCTGCACTGCGCCTTCAGCATGCTGGAGACAATGGCCATCAACCTCT
TCCTGTTCCCCTGGAAGAAGGAGTTCCGCAGCATCAAGACCTACACTGGCCCTTTTGTTTACTATGTCAA
GTCCACGTTGCTGGAGAAGGACATCCGAGCCATTCTAAGGTTCATGGGCTACGAGCCTGAGTTGGGGACT
GTGTACAAACTCAAAGAGCTTGTGGAGTCCCTCCAGGTGAAGATGGTCTCCTTTGAGCTCTTCCTGGCCA
AGGTCGAGTGTGAGCAGATGCTGGGCATCCACTCGCAGGTGAAGGACAAGGGCTACTCAGAGCTGGACGT
GGTGGCTGAGCGCAAGGGCAGCACGGAGGATGCGCGCGGGTGCTCAGATGCTCTGCGGAGGCGGGCTGAG
AGTCGGGAGCACCTGACCACTTCCATGGCTCGTGTGGCACTCCAGAAATCAGCCAGTGAGCGAGCAGCCA
AGGACTACTACAAGCCCCGGGTGACCAAACCCTCCAGGTCTGTGGATGCCTACGACAGCTACTGGGAGAG
CAGGAAGCCCCCTTCAAAGGCCTCACTGAGTCTGCGCAAGGAGCCCCTGGCCATGGATGTAGGGGAAGAC
TTGAAGGACGAGATCATCCGCCCATCCCCCTCATTGCTGGCCATGTCCAGCTCCCCCCATGGTAGCCCTG
ATGACCTTTCCTCCATCTCCTCCATCAATGGCCTTGGCCTTCTTCGTAGTACATACTTTTCCACTCAGGA
TGACGTGGACCTGTATACGGATTCAGAACCCAGGGCCACCTACCGGAGGCAGGATGCTCTGCGGCCCGAT
GTGTGGCTGGTCAAAAATGATACCCACCCCATCTACCACAAGCGTTCACCCCCCACCAAAGAGTCTGCCC
TCTCCAAGTGCCAAAACTGCGGCCTGTCCTGCAGCTCCTCCCTCTGCCAGCGCTGTGACAGTGTGCTGGT
CTGTCCTTCGGCCTCCAAGCCCAGCGCTTTCCCCAGCAAGGCTTCTGTACACGACAGCTTGGCCCACGGG
GCACCTATGCGGGAGAAGTATGTGGGCCACCAGACTCAGGGCCTTGACCGGCTGGCACCTGTCCACTCAA
AGCCCAAGCCCTCTACCACAGCCACCTCCCGCTGTGGCTTCTGTAACCGTGCAGGTGCCACCAACACGTG
CACCCAGTGTTCAAAAGTTTCCTGTGACGCCTGCCTCGGCGCCTACCACTACGACCCGTGCTGCAGAAAG
AGTGAGCTGCACAAGTTCCTGCCCAACAGTCAGCTGAACTACAAGTCCGCCCCGTTCTCCCAGCTCGTGT
ACAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_170756

Insert Size: 1548 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).

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:	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_170756.2, NP_739562.1
RefSeq Size:	3996 bp
RefSeq ORF:	1548 bp
Locus ID:	263876
UniProt ID:	Q8K004
Cytogenetics:	2 H3
Gene Summary:	Bridging factor that mediates the recruitment of CYLD to the LUBAC complex, thereby regulating TNF-alpha-induced necroptosis (By similarity). Acts as a direct binding intermediate that bridges RNF31/HOIP, the catalytic subunit of the LUBAC complex, and the deubiquitinase (CYLD), thereby recruiting CYLD to the TNF-R1 signaling complex (TNF-RSC) (By similarity). Required to activate the 'Met-1'- (linear) and 'Lys-63'-linked deubiquitinase activities of CYLD (PubMed:28701375). Controls the kinase activity of RIPK1 and TNF-alpha-induced necroptosis by promoting 'Met-1'-linked deubiquitination of RIPK1 by CYLD (PubMed:28701375). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).