

Product datasheet for MR229422

Sae1 (NM_001285891) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sae1 (NM_001285891) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sae1
Synonyms:	2400010M20Rik; 2610044L12Rik; AL033372; AOS1; AW743391; D7Ertd177e; HSPC140; Sua1; Uble1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229422 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTAGAGAAGGAGGAGGCTGGCGGCGCGCGCGGTGGCATCAGCGAGGAGGAGGCAGCGCAGTATG
ACCGACAGATCCGCTGTGGGACTGGAGGCCAGAAGCGGCTTCGAGCTTCCCGGTGCTGATTGTTGG
CATGAAAGGACTTGGAGCTGAAATTGCCAAGAATCTTATCCTGGCAGGAGTCAAAGGGCTCACCATGCTG
GACCACGAACAGGTATCTCCAGAAGACCCTGGAGCTCAGTTCTTGATTGACTGGGTCTGTGGCCGCA
ATAGGGCCGAGGCTCTTTGGAACGAGCCAGAATCTCAATCCCATGGTGGATGTAAGGTGGACTGTA
GGATGTAGAGAAGAAGCCAGAGTCCTTCTCACGAAGTTTGATGCGGTGTGCTGACTTGTGCTCCAGA
GATGTCATCATTAAAGTCGACCAGATCTGTACAGAAACAGCATTAAAGTTCTTACAGGAGATGTCTTTG
GGTACCATGGGTACACCTTTGCGAATCTTGAGAGCATGAATTTGTAGAAGAGAAAACAAAGTTGCCAA
AGTAAGCCAAGGAGTGAAGATGGACCTGAGGCCAAGAGAGCAAAGCTTGATTATCAGAGACAACCATG
GTCAAAAAGAAAGTGCTTTTTGCCCCTGTAAAAGAGGCGCTAGAAGTGGACTGGAGTGGAGAGAAAGCCA
AGGCTGCCCTGAAGCGTACTGCCCCGACTACTTTCTGCTGCAAGTGTGCTGAAATTCGCACAGATAA
AGGGAGAGATCCGACTTCTGAGAGCTACAAGGAGGATGCGGAGCTGTGCTGCAGATACGGAATGACGTG
TTGACTCCCTGGGCATCAGTCTGACCTGCTTCCCGTAGCTTTGTGAGTACTGCTTCTCTGAGATGG
CCCCAGTATGTGCTGTGGTTGGAGGGATCTTGGCACAGGAAATTTGAAGGCCCTGTCTCAAAGGGACCC
TCCTCACAACTTCTTCTTCTTCGACGGCATGAAGGGGAGTGAATTTGGAGTGCCTTGGTCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001285891.1](#), [NP_001272820.1](#)

RefSeq Size: 1850 bp

RefSeq ORF: 1053 bp

Locus ID: 56459

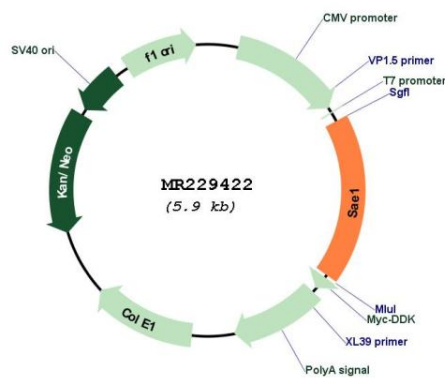
UniProt ID: [Q9R1T2](#)

Cytogenetics: 7 8.88 cM

MW: 38.6 kDa

Gene Summary: The heterodimer acts as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229422