

Product datasheet for **MC205310**

Sae1 (NM_019748) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sae1 (NM_019748) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sae1
Synonyms:	2400010M20Rik; 2610044L12Rik; AL033372; AOS1; AW743391; D7Ertd177e; HSPC140; Sua1; Uble1a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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RefSeq Size: 1906 bp

RefSeq ORF: 1053 bp

Locus ID: 56459

UniProt ID: [Q9R1T2](#)

Cytogenetics: 7 8.88 cM

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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).