

Product datasheet for **TP505319**

Sae1 (NM_019748) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SUMO1 activating enzyme subunit 1 (Sae1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205319 protein sequence Red =Cloning site Green =Tags(s)

MVEKEEAGGGGGGISEEEAAQYDRQIRLWGLEAQKRLRASRVLIVGMKGLGAEIAKNLILAGVKGLTML
DHEQVSPEDPGAQFLIQTGSVGRNRAEASLERAQNLNPMVDVKVDTEDVEKKPESFFTKFDAVCLTCCSR
DVIKVDQICHRNSIKFFTGDVFGYHGTYFANLGEHEFVEEKTAKVAKVSQGVEDGPEAKRAKLDSETTM
VKKKVLFCPVKEALEVDWSGEKAKAALKRTAPDYFLLQVLLKFRDGRDPTSESYKEDAELLQIRNDV
FDSLGISPDLLPDDFVRYCFSEMAPVCAVGGILAQEIWKALSQRDPPHNNFFFDGMKGGSGIVECLGPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	38.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_062722
Locus ID:	56459
UniProt ID:	Q9R1T2



[View online »](#)

RefSeq Size:	2017
Cytogenetics:	7 8.88 cM
RefSeq ORF:	1053
Synonyms:	2400010M20Rik; 2610044L12Rik; AL033372; AOS1; AW743391; D7Erttd177e; HSPC140; Sua1; Uble1a
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]