



# Recombinant Rat Mothers against decapentaplegic homolog 9 (Smad9)

<b>Product Code</b>	CSB-MP021794RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O54835
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MHPSTPISSL FSFTSPAVKR LLGWKQGDEE EKWAEKAVDS LVKKLKKKKG AMDELERALS CPGQPSKCVT IPRSLDGRLQ VSHRKGLPHV IYCRVWRWPD LQSHHELKPL ECCEFPFGSK QKEVCINPYH YRRVETPVLP PVLVPRHSEY NPQLSLLAKF RSASLHSEPL MPH NATYPDS FQQLGPAPP SSPGHVFPQS PCPTSYPQSP GSPSESDSPY QHSDFRPVCY EEPLHWCSVA YYELNNRVGE TFQASSRSVL IDGFTDPSNN RNRFCGLLLS NVNRNSTIEN TRRHIGKGVH LYYVGGEVYA ECVSDSSIFV QSRNCNYQHG FHPATVCKIP SGCSLKVFNN QLFAQLLAQL LAQSVHHGFE VVYELTKMCT IRMSFVKGWG AEYHRQDVTS TPCWIEIHLH GPLQWLDKVL TQMGSPHNPI SSVS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Smad9
<b>Protein Names</b>	Recommended name: Mothers against decapentaplegic homolog 9 Short name= MAD homolog 9 Short name= Mothers against DPP homolog 9 Alternative name(s): SMAD family member 9 Short name= SMAD 9 Short name= Smad9 Smad8
<b>Expression Region</b>	1-434
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.