



# Recombinant Mouse Single-minded homolog 1 (Sim1)

<b>Product Code</b>	CSB-MP723397MO
<b>Abbreviation</b>	Sim1
<b>Storage</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.
<b>Uniprot No.</b>	Q61045
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKEKSKNAAR TRREKENSEF YELAKLLPLP SAITSQLDKA SIIRLTTSYL KMRVVFPEGL GEAWGHTSRT SPLDNVREL GSHLLQTLDG FIFVAPDGK IMYISETASV HLGLSQVELT GNSIYEYIHP ADHDEMTAVL TAHQPYHSHF VQYEIERSF FLRMKCVLAK RNAGLTCGGY KVIHCSGYLK IRQYSLDMSP FDGCYQNVGL VAVGHSPLPPS AVTEIKLHSN MFMFRASLDM KLIFLDSRVA ELTGYPQDL IEKTLYHHVH GCDTFHLRCA HLLLLVKGQV TTKYYRFLAK QGGWVWVQSY ATIVHNSRSS RPHCIVSVNY VLTDTTEYKGL QLSLDQISAS KPTFSYTSSS TPTISDNKRG AKSRLSSSKS KSRTSPYPQY SGFHTERSES DHDSQWGGSP LTDTASPQLL DPERPGSQHE LSCAYRQFPD RSSLCYGFAL DHSRLVEDRH FHTQACEGGR CEAGRYFLGA PPTGRDPWWG SRAALPLTKA SPESREAYEN SMPHITSIHR IHGRGHWDED SVVSSPDPGS ASESGDRYRT EQYQNSPHEP SKIETLIRAT QQMIKEEENR LQLRKAPPDQ LASINGAGKK HSLCFANYQQ PPPTGEVCHS SALASTSPCD HIQQREGKML SPHENDYDNS PTALSRISP SSDRITKSSL ILAKDYLHSD MSPHQTAGDH PAISPNCFGS HRQYFDKHAY TLTGYALEHL YDSETIRNYS LGCNGSHFDV TSHLRMQPDP AQQHGKTSVI ITNGS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Sim1
<b>Protein Names</b>	Recommended name: Single-minded homolog 1 Short name= mSIM1
<b>Expression Region</b>	1-765
<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>Target Details</b>	SIM1 and SIM2 genes are Drosophila single-minded (sim) gene homologs. SIM1 transcript was detected only in fetal kidney out of various adult and fetal tissues tested. Since the sim gene plays an important role in Drosophila



development and has peak levels of expression during the period of neurogenesis, it was proposed that the human SIM gene is a candidate for involvement in certain dysmorphic features (particularly the facial and skull characteristics), abnormalities of brain development, and/or mental retardation of Down syndrome.

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**Reconstitution**

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.

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**Shelf Life**

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