



# Recombinant Mouse Single-minded homolog 2 (Sim2)

<b>Product Code</b>	CSB-EP717195MO
<b>Abbreviation</b>	Sim2
<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>	Q61079
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKEKSKNAAK TRREKENGFEF YELAKLLPLP SAITSQLDKA SIIRLTTSYL KMRAVFPEGL GDAWGQPSRT GPLDSVAKEL GSHLLQTLDG FVFVVASDGK IMYISETASV HLGLSQVELT GNSIYEYIHP SDHDEMTAVL TAHPLHHHL LQEYEIERSF FLRMKCVLAK RNAGLTCSGY KVIHCSGYLK IRQYMLDMSL YDSCYQIVGL VAVGQSLPPS AITEIKLHSN MFMFRASLDL KLIFLDSRVT ELTGYEPQDL IEKTLYHHVH GCDTFHLRYA HLLLLVKGQV TTKYYRLLSK LGGWVWVQSY ATVVHNSRSS RPHCIVSVNY VLT DVEYKEL QLSLDQVSTS KSQESWR TTL STSQETR KSA KPKNTKMKTK LRTNPYPPQQ YSSFQMDKLE CSQVGNWRTS PPTNAVAPPE QQLHSEASDL LYGPPYSLPF SYHYGHFPLD SHVFSSKKPG LPAKFGQPQG SPCEVARFFL STLPASSECC WHCANSLVPS SSSPAKNLSE PSPVNAARHG LVPNYEAPSA AARRFCEDPA PPSFPSCGHY REEPALGPAK APRQASRDAA RLALARAPPE CCAPPAPPEQ APAQLPFVLL NYHRVLARRG PLGSAAPGAP EAAGSLRPRH PGPVAASAPG APRPHYLGAS VIITNGR
<b>Source</b>	E.coli
<b>Target Names</b>	Sim2
<b>Protein Names</b>	Recommended name: Single-minded homolog 2 Alternative name(s): SIM transcription factor Short name= mSIM
<b>Expression Region</b>	1-657
<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. The Drosophila sim gene encodes a transcription factor that is a master regulator of fruit fly neurogenesis. SIM2 maps within the so-called Down syndrome chromosomal region. Based on the mapping position, its potential function as



transcriptional repressor and similarity to Drosophila sim, it is proposed that SIM2 may contribute to some specific Down syndrome phenotypes

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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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