



Recombinant Mouse Single-minded homolog 2 (Sim2)

Product Code	CSB-MP717195MO
Abbreviation	Sim2
Storage	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.
Uniprot No.	Q61079
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MKEKSKNAAK TRREKENGFEF YELAKLLPLP SAITSQLDKA SIIRLTTSYL KMRAVFPEGL GDAWGQPSRT GPLDSVAKEL GSHLLQTLDG FVFVVASDGK IMYISETASV HLGLSQVELT GNSIYEYIHP SDHDEMTAVL TAHPLHHHL LQYEIERSF FLRMKCVLAK RNAGLTCSGY KVIHCSGYLK IRQYMLDMSL YDSCYQIVGL VAVGQSLPPS AITEIKLHSN MFMFRASLDL KLIFLDSRVT ELTGYEPQDL IEKTLYHHVH GCDTFHLRYA HLLLLVKGQV TTKYYRLLSK LGGWVWVQSY ATVVHNSRSS RPHCIVSVNY VLT DVEYKEL QLSLDQVSTS KSQESWR TTL STSQETRKSA 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
Source	Mammalian cell
Target Names	Sim2
Protein Names	Recommended name: Single-minded homolog 2 Alternative name(s): SIM transcription factor Short name= mSIM
Expression Region	1-657
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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

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.

Shelf Life

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