



# Recombinant Human Single-minded homolog 2 (SIM2)

<b>Product Code</b>	CSB-MP621763HU
<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>	Q14190
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKEKSKNAAK TRREKENGFEF YELAKLLPLP SAITSQLDKA SIIRLTTSYL KMRAVFPEGL GDAWGQPSRA GPLDGVAKEL GSHLLQTLDG FVFVVASDGK IMYISETASV HLGLSQVELT GNSIYEYIHP SDHDEMTAVL TAHQPLHHHL LQEYEIERSF FLRMKCVLAK RNAGLTCSGY KVIHCSGYLK IRQYMLDMSL YDSCYQIVGL VAVGQSLPPS AITEIKLYSN MFMFRASLDL KLIFLDSRVT EVTGYEPQDL IEKTLYHHVH GCDVFHLRYA HLLLLVKGQV TTKYYRLLSK RGGWVWVQSY ATVVHNSRSS RPHCIVSVNY VLTEIEYKEL QLSLEQVSTA KSQDSWRTAL STSQETRKLK KPNKTKMKT LRTNPYPPQQ YSSFQMDKLE CGQLGNWRAS PPASAAAPPE LQPHSESSDL LYTPSYSLPF SYHYGHFPLD SHVFSSKKPM LPAKFGQPQG SPCEVARFFL STLPASGECQ WHYANPLVPS SSSPAKNPPE PPANTARHSL VPSYEAPAAA VRRFGEDTAP PSFPSCGHYR EEPALGPAKA ARQAARDGAR LALARAAPEC CAPPTPEAPG APAQLPFVLL NYHRVLARRG PLGGAAPAAS GLACAPGGPE AATGALRLRH PSPAATSPPG APLPHYLGAS VIITNGR
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SIM2
<b>Protein Names</b>	Recommended name: Single-minded homolog 2 Alternative name(s): Class E basic helix-loop-helix protein 15 Short name= bHLHe15
<b>Expression Region</b>	1-667
<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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