



Recombinant Human Single-minded homolog 2 (SIM2)

Product Code	CSB-YP621763HU
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.	Q14190
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MKEKSKNAAK TRREKENGEF 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 STSQETRKLKVPKNTKMKTK LRTNPYPPQQ YSSFQMDKLE CGQLGNWRAS PPASAAAPPE LQPHSESSDL LYTPSYSLPF SYHYGHFPLD SHVFSSKKPM LPAKFGQPQG SPCEVARFFL STLPASGECQ WHYANPLVPS SSSPAKNPPE PPANTARHSL VPSYEAPAAA VRRFGEDTAP PSFPPSCGHYR EEPALGPAKA ARQAARDGAR LALARAPEC CAPPTPEAPG APAQLPFVLL NYHRVLARRG PLGGAAPAAS GLACAPGGPE AATGALRLRH PSPAATSPPG APLPHYLGAS VIITNGR
Source	Yeast
Target Names	SIM2
Protein Names	Recommended name: Single-minded homolog 2 Alternative name(s): Class E basic helix-loop-helix protein 15 Short name= bHLHe15
Expression Region	1-667
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

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.